

# Webseiten modular entwickeln

Jens Grochtdreis





# Ziele

- ▶ Mehrere Personen arbeiten an einem Projekt.
- ▶ Einzelne Seitenbestandteile können in anderen Projekten wiederverwendet werden.
- ▶ Theming
- ▶ Dokumentation in einem Living Styleguide
- ▶ Arbeit in einem Living Styleguide

Seite ist eine Ansammlung  
von Modulen

Windows Phone

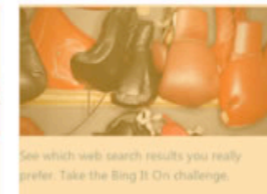
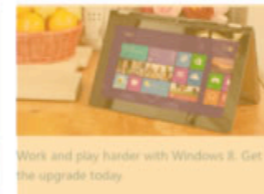
Design the next great app for Windows Phone

Get the SDK



- Discover
- Windows
  - Office
  - Surface
  - Windows Phone
  - Xbox
  - Skype
  - Bing

For home For work



- Downloads
- Windows
  - Office
  - Internet Explorer

- Security & updates
- Microsoft Update
  - Microsoft Security Essentials
  - Windows Service Pack Center

- Support
- Windows help and how-to
  - Office
  - Find more support

- Follow us
- Facebook
  - Twitter
  - News Center



Rx for an ailing healthcare system  
 March 4, 2013 - Microsoft showcases comprehensive IT solutions at this week's HIMSS conference in New Orleans.

- Other Microsoft sites
- Windows
  - Office
  - Surface
  - Windows Phone
  - Xbox
  - Skype
  - Bing
  - Microsoft Store

- Downloads
- Download Center
  - Windows downloads
  - Office downloads

- Support
- Support home
  - Knowledge base

- Security
- Security home
  - Microsoft Security Essentials

- About
- Microsoft
  - Careers
  - Company News
  - Investor relations
  - Site map

- Popular resources
- Windows RT
  - PC and Laptops
  - Tablet and Computers
  - Windows Phone smartphones
  - Windows Phone apps and games
  - Microsoft computer security
  - Malware removal tool
  - Microsoft Dynamics CRM Online

Search,

Navigation,

Hero,

List of links,

Highlight



[Home](#) | [Unternehmen](#) | [Dienstleistungen](#) | [Kontakt](#) | [Ihr Feedback](#)

▶ [Home](#) ▶ [IT-Hardware](#) ▶ [Computer PC/Apple](#) ▶ [Notebook/Portable](#) ▶ [Notebooks](#)

[IT-Hardware](#)

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[Telefon & Elektro](#)

[Haushalt & Garten](#)

[Outdoor & Freizeit](#)

[RC & Spielwaren](#)

## **Brack Electronics AG sponsert Gewinne für Deine LAN-Party**

Willst du eine LAN-Party organisieren, aber Dir fehlen noch Gewinne für den Contest? Dann füll online das untenstehende Formular aus und profitiere von gesponsorten Gutscheinen. Für so einen Gewinn lohnt es sich zu kämpfen!

## **Brack.ch-Megasitzkissen**

Ist dein Raum ungemütlich und nicht geeignet zum Relaxen? Dann leg Dir ein Brack.ch-Kissen mit einer Länge von 180 cm und einer Breite von 140 cm zu. Dieser bequeme Spass für die Gäste kannst Du Dir gegen Hinterlegung eines Depots von CHF 250.– pro Kissen für Deine Party besorgen.



# Platzierung sollte egal sein

96x64

**Company Name**  
Located in *Spielstadt*,  
Lummaland

96x64

**Company Name**  
Located in *Spielstadt*,  
Lummaland

96x64

**Company Name**  
Located in *Spielstadt*,  
Lummaland

96x64

**Company Name**  
Located in *Spielstadt*,  
Lummaland

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Located in *Spielstadt*,  
Lummaland

96x64

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Located in *Spielstadt*,  
Lummaland

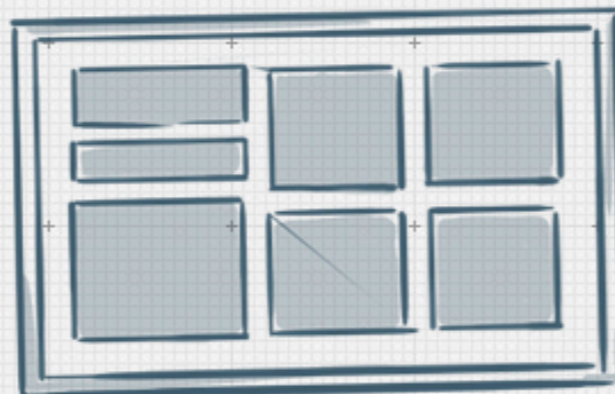
# Style TILES

A Visual Web Design Process *for* Clients & the Responsive Web

## ■ WHAT ARE STYLE TILES? ■

Style Tiles are a design deliverable consisting of fonts, colors and interface elements that communicate the essence of a visual brand for the web.

They help form a common visual language between the designers and the stakeholders and provide a catalyst for discussions around the preferences and goals of the client.



[DOWNLOAD TEMPLATE](#)

Style Tiles are similar to the paint chips and fabric swatches an interior designer gets approval on before designing a room. An interior designer doesn't design three different rooms for a client at the first kick-off meeting, so why do Web designers design three different webpage mockups?

**Present clients with interface choices without making the investment in multiple photoshop mockups.**





Style Tile  
version:1

## Election Headline

Font: Kulturista Web Bold by Typekit

## Election Subhead

Font: Kulturista Web Regular by Typkit

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at

[This is an example of a Text link »](#)

Learn More 

### Possible Colors



### Possible Patterns



**Current** Comprehensive

Smart **Stimulating**

## Election Headline

Font: FF Tisa Web Pro Bold Typekit

## Election Subhead

Font: FF Tisa Web Pro Typekit

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at

[This is an example of a Text link »](#)

[Learn More →](#)

### Possible Colors



### Possible Patterns



**Accessible** Personable  
Reliable Inviting  
Modern **Friendly**



# The Examiner WASHINGTON

## ELECTIONS 2012



### Beltway Confidential

- MICHAEL BARONE**  
More non-boring analysis of the Canadian election
- MICHAEL BARONE**  
More non-boring analysis of the Canadian election
- MICHAEL BARONE**  
More non-boring analysis of the Canadian election
- MICHAEL BARONE**  
More non-boring analysis of the Canadian election

### Power Rankings



**Gingrich claims #1, Trump slips to #3**

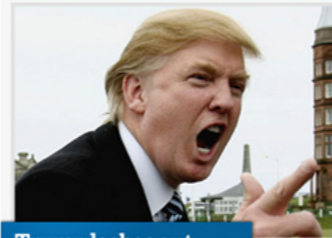
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut eliae laeolae toaenta...

[PREVIOUS RANKINGS](#)

### Follow Us



### THE RUNDOWN



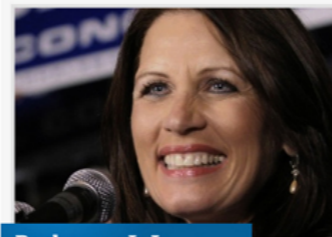
Trump lashes out →



Younger voters hold key →



Could Tim Pawlenty be the next president? →



Bachmann Is In →

### ADVERTISEMENT



### From the Trail

- IOWA**  
Iowa Is Cold In February  
*Des Moines Register*
- WASHINGTON**  
Cantwell is in Trouble  
*Seattle Times*
- MICHIGAN**  
Michigan scraps primary  
*Detroit News*
- MICHIGAN**  
Michigan scraps primary  
*Detroit News*

### State Races

— Choose a State —

### What to Watch For

**AUG 27** Republican National Convention  
Venue | City

### What Matters Most?

- Economy
- Environment
- Medicare
- Social Security
- Taxes
- Welfare

[Vote Now](#)

Advertising

YFC: Vibrant Personalities

“GET INVOLVED IN YOUTH FOR CHRIST TODAY!”

NEWS

GET INVOLVED

FIND A CENTRE

LISTEN TO PODCAST

CONTACT US

READ MORE

FIND OUT MORE HERE

NEWS NEWS

CANCEL ORDER

ACCEPT

“LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT, VIVAMUS ACCUMSAN URNA EGET TURPIS VEHICULA VARIUS. ÆNEAN NULLA MIHI, CONSECTETUR A PRETIUM”  
-Cicero De Seneca

“LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT, VIVAMUS ACCUMSAN URNAM”  
-Cicero De Seneca

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890

Georgia Bold  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890

Arial  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890

TITLES, HEADERS, MENU ITEMS & QUOTES

Subtitles & Image Tags

Body Copy  
Consectetur a odio augue, proinam pulvinar ante. Quisque blandit interdum eros, at vehicula quam congue. Ut. Duis nulla ultrices nulla. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed auctor, massa eget dignissim tempus, dolor nisi dapibus massa, ac hendrerit mauris sed ac enim.

YFC: COLLEGE YEARS

GET INVOLVED HERE

FIND YOUR LOCAL CENTRE

OUR STORY MEDIA NEWS

“LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT, VIVAMUS ACCUMSAN URNAM”  
-Cicero De Seneca

FIND OUT MORE

WHAT WE DO  
GET INVOLVED  
OUR STORY  
LOCAL CENTRE  
MEDIA

NORTH WEST  
CENTRAL  
NORTH EAST  
MIDLANDS  
SOUTH WEST  
SOUTH EAST

TRY IT OUT!  
YOU'LL LIKE IT  
YOU'LL LIKE IT

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
1234567890

Georgia Bold  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890

TITLES, HEADERS, MENU ITEMS & QUOTES

Subtitles & Image Tags



Wichtigste Grundbedingung

Die Module müssen für sich  
selber stehen!

```
/* ----- So macht man das! ----- */
/* Das Modul steht für sich. */
.videowrapper {
    /* Eigenschaften */
}
.videowrapper iframe {
    /* Eigenschaften */
}

/* ----- keine gute Idee! ----- */
/* Was, wenn der Videowrapper demnächst in einem
   anders benannten Container stecken sollte? */

.maincnt .videowrapper {
    /* Eigenschaften */
}
.maincnt .videowrapper iframe {
    /* Eigenschaften */
}
```

Möglichst wenige Ebenen!

```
.cms-index-noroute.cms-no-route div.main_area div.content span {}

.cms-index-noroute.cms-no-route div.main_area div.content .links {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li a {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li a:before {}

.cms-index-noroute.cms-no-route div.main_area div.content .search_content {}
.cms-index-noroute.cms-no-route div.main_area div.content .search_content .search_wrapper {}
.cms-index-noroute.cms-no-route div.main_area div.content .search_content .icon_search {}

.cms-index-noroute.cms-no-route div.main_area div.content .description {}
.cms-index-noroute.cms-no-route div.main_area div.content .description .description_footer_text {}
```

```
.cms-index-noroute.cms-no-route div.main_area div.content span {}
.content span {}

.cms-index-noroute.cms-no-route div.main_area div.content .links {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li a {}
.cms-index-noroute.cms-no-route div.main_area div.content .links ul li a:before {}

.links {}
.links ul {}
.links li {}
.links a {}
.links a:before {}

.cms-index-noroute.cms-no-route div.main_area div.content .search_content {}
.cms-index-noroute.cms-no-route div.main_area div.content .search_content .search_wrapper {}
.cms-index-noroute.cms-no-route div.main_area div.content .search_content .icon_search {}

.search_content {}
.search_wrapper {}
.icon_search {}

.cms-index-noroute.cms-no-route div.main_area div.content .description {}
.cms-index-noroute.cms-no-route div.main_area div.content .description .description_footer_text {}





.description {}
.description_footer_text {}
```

# Styleguides





-  icon-cc-sa
-  icon-cc-nd
-  icon-cc-pd
-  icon-cc-share2
-  icon-thumbs-up
-  icon-thumbs-down
-  icon-upload3
-  icon-cloud

## COLORS

### Primary Colors

 <p><b>CfA Red</b> rgb(204,39,62) #cf1b41 \$color-red</p>	 <p><b>CfA Blue</b> rgb(63,158,216) #399fd3 \$color-blue</p>	 <p><b>CfA Gray</b> rgb(109, 110, 113) #6D6E71 \$color-gray</p>	 <p><b>CfA Black</b> rgb(0, 0, 0) #000000 \$color-black</p>
--	--	--	--

### Secondary Colors

 <p><b>Dark Blue</b> rgb(0, 75, 106)</p>	 <p><b>Light Blue</b> rgb(122,181,214)</p>	 <p><b>Dark gray</b> rgb(68, 68, 68)</p>	 <p><b>Medium gray</b> rgb(153, 149, 144) <a href="#">Jump to...</a></p>
---	--	---	---





### button-type-progress-prominent #

```
<button class="button-prominent button-progress">Button</button>
<button type="submit" class="button-prominent button-progress">Submit button</button>
<a href="#" class="button-prominent button-progress">Link button</a>
<input type="button" class="button-prominent button-progress" value="Input button">
<input type="submit" class="button-prominent button-progress" value="Input submit button">
```

Usage:



### button-type-progress-subtle #

```
<button class="button-subtle button-progress">Button</button>
<button type="submit" class="button-subtle button-progress">Submit button</button>
<a href="#" class="button-subtle button-progress">Link button</a>
<input type="button" class="button-subtle button-progress" value="Input button">
<input type="submit" class="button-subtle button-progress" value="Input submit button">
```

Usage:



Patterns

About

Grid System

Typography

Form Elements

Navigation

Tables

Lists

Slats

Stats/Data

Feedback

Dialogs

Freddicons

Helper Classes

# Tables

Subscribers Table

Responsive Tables

Elements

Add-on Classes

Child Rows

Stats

## Subscriber Table

### Example

▼	Email Address		First Name	Last Name	I'm a ...	Date	Birthday	Member Rating
<input type="checkbox"/>	sterling@scdp.com	>	Roger	Sterling	Partner			★★★★★
<input type="checkbox"/>	cooper@scdp.com	>	Bert	Cooper	Partner			★★★★★
<input type="checkbox"/>	draper@scdp.com	>	Don	Draper	Partner			★★★☆☆
<input type="checkbox"/>	pryce@scdp.com	>	Lane	Pryce	Partner			★★☆☆☆

## UI COMPONENTS

# Tables

## When to use

Use Tables to manage lots of items - like lists of servers, tickets, users or files.





This is one of the most important UI Components because it provides a lot of functionality and serves as a navigational hub - so brush up on all the Table's uses and features:

### Layout Options

The Table's location in your app determines which layout should be used.

1. List View Tables
2. Embedded Tables

### EXAMPLE: LIST VIEW TABLE

	Name	Sorted ▼
<input type="checkbox"/>	 Item One	Data A
<input type="checkbox"/>	 Item Two	Data B
<input type="checkbox"/>	 Item Three	Data C
<input type="checkbox"/>	 Item Four	Data D
<input type="checkbox"/>	 Item Five	Data E
<input type="checkbox"/>	 Item Six	Data F

# Living Style Guide Tools In-depth Overview

Following market demands on minimalistic, consistent UI's and modular development, with each project we pay more attention to documentation and designer-engineer workflow efficiency. As the documentation process is always the weakest spot among modern web builder teams, we are constantly looking for the right tools to help us.

Living Style Guides are here to help us transform our Front-end codebase into well-described pattern libraries with minimal efforts. But to make them really efficient, we need to choose the proper tools, so let's have a closer look on what community has prepared for us.

## Articles

Things people have written about style guides

★ Recommended



### A Maintainable Style Guide

An explanation of the principles behind Rizzo: Lonely Planet's Style Guide

By Ian Feather

★ Recommended



### Creating Style Guides

By Susan Robertson

★ Recommended



### Front-End Style Guides

An introduction to Front-End Style Guides.

By Anna Debenham

★ Recommended



### Systemic Design

Federico Holgado of Mailchimp explains how modular design systems from other industries applies to constructing our own interfaces.

By Federico Holgado

★ Recommended



### Styleguide & Boilerplate Patterns

Compares the range of patterns in different style guides.

By Tyler Sticka

★ Recommended



### Getting Started With Pattern Libraries

By Anna Debenham

Mein aktueller Ansatz

## Box Versandinfos, Issue #17

Versandkosten	<a href="#">Übersicht</a>
Bruttogewicht	10.4 kg
Herstellergarantie	24 Monate
<a href="#">Philips</a>	<a href="#">Herstellerlink</a>

Die Box hat `.box2`, die Tabelle hat `.compact`. Eine Tabelle erschien mir hier semantisch korrekter, als eine Definitionsliste.

### **Includes**


```
inc/modules/boxes/box2/versandinfos.inc
```



## Ihr Konto - Benutzer hinzufügen, Issue #72

Vorname

Name

Benutzer-Rolle 

- Shop-Admin
- Shop-Besteller
- Shop-Zugriff

Abteilung

Funktion

E-Mail-Adresse

Hinweis: Wenn Sie eine E-Mail Adresse eines existierenden Accounts eingeben, erhält dieser Zugriff auf Ihre Konditionen.

**Speichern**

### Includes

```
inc/modules/boxes/box2/benutzer-hinzufuegen.inc
```

Dieses Formular ist mit einem verschachtelten Grid aufgebaut. Deshalb sieht der Code sehr kompliziert und aufgedunsen aus. Aber es reicht ja nicht, einfach drei Spalten zu relasieren, die Tab-Reihenfolge muss auch sinnvoll sein. Und das ohne Zuhilfenahme des obsoleten Attributs `tabindex`. Für den einfacheren Nachbau habe ich im Include die Grid-Struktur als Emmet-Kurzschrift hinterlassen. Die sonst beim Footer sichtbare Linie habe ich mit der Klasse `.footerNoLine` entfernt.



# Nächste Modifikation

Farben und Schriftarten    Formulare    Listen    Navigationen

## Einfache Breadcrumb

- [Home](#)
- [Multimedia & HiFi](#)
- [HiFi-Systeme/MP3](#)

## Includes

inc/modules/navigationen/breadcrumb-simple-1.inc

Quellcode ansehen

```
<div class="breadcrumb-simple">
  <ul>
    <li>
      <a href="/">Home</a>
    </li>
    <li>
      <a href="#">Multimedia & HiFi</a>
    </li>
    <li>
      <a href="#">HiFi-Systeme/MP3</a>
    </li>
  </ul>
</div>
```

Name
▶ folder bower_components
file bower.json
file FRONTEND.md
file Gruntfile.js
file inc-wrapper.html
▶ folder node_modules
file package.json
▶ folder phantomas
file README.md
▼ folder site
▶ folder dev
▶ folder html
file validation-report.json
file validation-status.json



Name
▶ folder css
▶ folder images
▶ folder inc
▶ folder js
▶ folder sass
file 404-2.php
file 404.php
file alle-hersteller.php
file anmelden.php
file dienstleistungen.php
file firmengeschichte.php
file fuehrungsteam.php
file herstellerkarte-abus.php
file index.php
file kontakt.php
file kundenkonto-alle-rechnungen.php
file kundenkonto-benutzerverwaltung-anlegen.php
file kundenkonto-benutzerverwaltung.php
file kundenkonto-kontaktdaten-bearbeiten.php
file kundenkonto-login-aendern.php
file kundenkonto-offene-bestellungen-detail.php
file kundenkonto-offene-bestellungen.php
file kundenkonto-rechnungsadresse-bearbeiten.php
file kundenkonto-rechnungsdetails.php
file kundenkonto-uebersicht.php
file leitbild.php
file merkliste.php
file module-boxen.php
file module-formulare.php
file module-headlinecontainer.php

inc/

- ▼ modules
  - ▶ 404
  - ▶ boxes
  - ▶ breadcrumb-cart
  - ▶ breadcrumb-rma
  - ▶ breadcrumb-shop
  - ▶ contentarea
  - ▶ debug
  - ▶ forms
  - ▶ header
  - ▶ headlinecnt
  - ▶ moduluebersicht
  - ▶ pagination
  - ▶ popup
  - ▶ rma
  - ▶ subnavigations
  - ▶ tables
  - ▶ tabs
  - ▶ warenkorb
  - ▶ footer.inc
  - ▶ mainnavigation copy.inc
  - ▶ mainnavigation.inc
  - ▶ skiplinks.inc
- ▼ templates
  - ▶ template-parts
    - ▶ template-1-2-1.inc
    - ▶ template-1-3.inc
    - ▶ template-3-1.inc
    - ▶ template-404.inc
    - ▶ template-freestyle.inc
    - ▶ template-moduluebersicht.inc

sass/

- ▼ config
  - ▶ \_form-config.scss
  - ▶ \_project.scss
  - ▶ \_yaml-config.scss
  - ▶ \_yaml-var-typography.scss
- ▼ mixins
  - ▶ placeholders
  - ▶ separate-mixins
    - ▶ \_my-mixins.scss
- ▼ modules
  - ▶ box
  - ▶ footer
  - ▶ forms
  - ▶ header
  - ▶ headlinecnt
  - ▶ lists
  - ▶ navigations
  - ▶ popups
  - ▶ tables
  - ▶ tabs
    - ▶ \_404.scss
    - ▶ \_box.scss
    - ▶ \_footer.scss
    - ▶ \_forms.scss
    - ▶ \_header.scss
    - ▶ \_headlinecnt.scss
    - ▶ \_layout.scss
    - ▶ \_lists.scss
    - ▶ \_navigations.scss
    - ▶ \_popups.scss
    - ▶ \_print.scss
    - ▶ \_tables.scss
    - ▶ \_tabs.scss
    - ▶ \_typography.scss
- ▶ yaml-sass
  - ▶ \_config.scss
  - ▶ \_modules.scss
  - ▶ oldie.scss
  - ▶ styles.scss

- ▼ modules
  - ▶ boxenstop
  - ▶ boxes
  - ▶ breadcrumbs-checkout
  - ▶ breadcrumbs-rma
  - ▶ content
  - ▶ forms
  - ▶ grids
  - ▼ header
    - cart.inc
    - logo.inc
    - search.inc
    - shopswitcher.inc
    - topnav.inc
  - ▶ overview
  - ▶ paging
  - ▶ rma
  - ▶ subnavigations
  - ▶ tabellen
  - ▶ tabs
    - footer.inc
    - itemsperpage.inc
    - mainnavigation.inc
    - resultview.inc
    - skiplinks.inc
    - sorting.inc
  - ▶ template-parts
    - template-1-1-1-1.inc
    - template-1-2-1.inc
    - template-1-3.inc
    - template-2-2.inc
    - template-3-1.inc
    - template-freestyle.inc

# Richtiger Umgang mit Klassen

PUBLIC

stubbornella / oocss

Watch

Unstar

2,854

Fork

313

Code

Network

Pull Requests 9

Issues 49

Wiki

Graphs

Home

Pages

Wiki History

Git Access

# Object Oriented CSS

New Page

Edit Page

Page History

How do you scale CSS for thousands of pages? Object Oriented CSS is an answer. It's an approach for writing CSS that's fast, maintainable, and standards-based. It adds much needed predictability to CSS so that even beginners can participate in writing beautiful websites. Nicole Sullivan first presented it at Web Directions North in Denver and the response has been overwhelming.

This Github project is for the OOCSS framework—a collection of code that's built using the OOCSS approach and is meant to help you get started. However, the framework is *not* the same thing as the OOCSS idea. (Confusingly though, they have the same name...that'll probably change.)

## What's a CSS Object?

Basically, a CSS "object" is a repeating visual pattern, which can be abstracted into an independent snippet of HTML, CSS, and possibly JavaScript. Once created, an object can then be reused throughout a site.

For instance, in the OOCSS framework the [media object](#) describes a content block containing a **fixed-size** media element (e.g. image or video) along with other **variable-size** content (e.g. text). Another example is the [module object](#), which describes a generic content block with a required body area and optional header and footer areas.

[Read more about objects on the FAQ page...](#)

## Two Main Principles of OOCSS

```
<div class="mod">  
  <div class="inner">  
    <div class="hd">Block Head</div>  
    <div class="bd">Block Body</div>  
    <div class="ft">Block Foot</div>  
  </div>  
</div>
```



# Standard Module Format

[New Page](#)[Edit Page](#)[Page History](#)

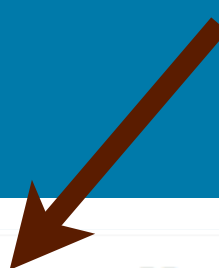
The standard module format is based on the [YUI module control](#). I hope to include input from microformats and HTML5 communities to inform the choice of class names.

Property	Description
<code>mod</code>	Module is the wrapper for every container object. It provides basic structure for a transparent inside module. It can be extended by <code>mojo</code> or <code>ag</code> to provide for transparent outside and complex borders respectively.
<code>inner</code>	Inner exists for two reasons. First, it solves a bug (Opera prior to version 8.5) in which position relative and overflow hidden cannot exist on the same element. Second, it allows for two elements on which borders can be placed to extend the number of blocks that can be built without using image based borders.
<code>hd</code>	The module header generally contains a heading, but may also contain buttons, links, tabs, etc. <code>hd</code> provides basic structure and can be extended via skin classes. A module can have 0-1 (should this be 0-n?) <code>hd</code> .
<code>bd</code>	The body is the main open editable region of the module. It is an obligatory region, the module may contain 1-n bodies.
<code>ft</code>	The module footer is an object. <code>ft</code> provides basic structure and it can be extended via skin classes.



```
<div class="mod">  
  <div class="inner">  
    <div class="bd">  
      <p>Lorem ipsum.</p>  
    </div>  
  </div>  
</div>
```

## Modifikator



```
<div class="mod complex">  
  <div class="inner">  
    <div class="bd">  
      <p>Lorem ipsum.</p>  
    </div>  
  </div>  
</div>
```

```
<div class="mod">
  <header class="hd">
    <h3>Tolle Headline</h3>
  </header>
  <p>Toller Inhalt</p>
  <footer class="ft">
    Was auch immer hier stehen soll
  </footer>
</div>
```

# Das media-Element

## Headline



Er hörte leise Schritte hinter sich. Das bedeutete nichts Gutes. Wer würde ihm schon folgen, spät in der Nacht und dazu noch in dieser engen Gasse mitten im übel beleumundeten Hafenviertel? Gerade jetzt, wo er das Ding seines Lebens gedreht hatte und mit der Beute verschwinden wollte!

## Headline

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**Nicole Sullivan** Going to Ocean Beach with Cloverific. Beautiful day! Feeling better! W00t!

 2 hours ago via Twitter  · [Comment](#) · [Like](#) · [@stubbornella on Twitter](#)



Write a comment...



**Nicole Sullivan** It was so gorgeous. Amazing. I think I'll go again tomorrow if the weather holds. :)

a few seconds ago · [Delete](#)

 [Raj Shekhar](#) and [Ambar Pansari](#) like this.

 2 hours ago via Twitter  · [Comment](#) · [Like](#) · [@stubbornella on Twitter](#)





# Scalable and Modular Architecture for CSS

A flexible guide to developing sites small and large.



**“SMACSS is becoming one of the most useful contributions to front-end discussions in years” \***

I've been analyzing my process (and the process of those around me) and figuring out how best to structure code for projects on a larger scale. What I've found is a process that works equally well for sites small and large.

Learn how to structure your CSS to allow for flexibility and maintainability as your project and your team grows.

**Get smacked!**

## What is it?

SMACSS (pronounced “smacks”) is more style guide than rigid framework. There is no library within here for you to download or install. SMACSS is a way to examine your design process and as a way to fit those rigid frameworks into a flexible thought process. It is an attempt to document a consistent approach to site development when using CSS. And really, who isn't building a site with CSS these days?!

Get to know Scalable and Modular Architecture for CSS:

## What's in SMACSS?

### Preface

1. [About the Author](#)
2. [Introduction](#)

### Core

3. [Categorizing CSS Rules](#)
4. [Base Rules](#)
5. [Layout Rules](#)
6. [Module Rules](#)



# Die einzelnen Bestandteile

1. Base
2. Layout
3. Module
4. State (Zustand)
5. Theme

## Battling against specificity

```
.pod {  
    width: 100%;  
}  
.pod input[type=text] {  
    width: 50%;  
}  
.pod-constrained input[type=text] {  
    width: 100%;  
}  
  
.pod-callout {  
    width: 200px;  
}  
.pod-callout input[type=text] {  
    width: 180px;  
}
```

## State rules for modules

```
.tab {  
    background-color: purple;  
    color: white;  
}
```

```
.is-tab-active {  
    background-color: white;  
    color: black;  
}
```

# BEM



Methodology

[Tools](#)

[Articles](#)

[Definitions](#)

[Filesystem](#)

[History](#)

Usually the website development process is based on the assumption that design and technical requirements will not change.

A designer, a front-end developer and a programmer work each in their field, often without interfering each other:

1. A designer creates a site design in the form of design layout
2. Front-end developer create static HTML/CSS pages based on the design layout
3. Programmer creates templates from these static pages and then writes some JavaScript

Such an approach works well only in the case if the website design remains the same all the time of his life and the changes only add more content.

But usually that is not happening. The website begins to live its own life being constantly developed. The design of the pages is gradually changing, new pages and new blocks are being added on them.

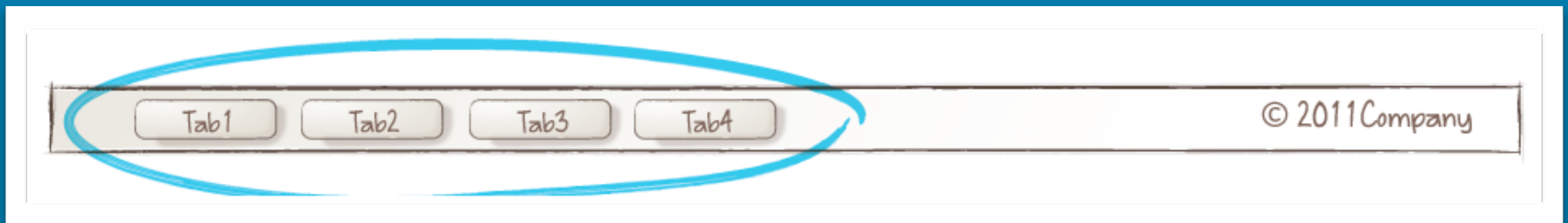
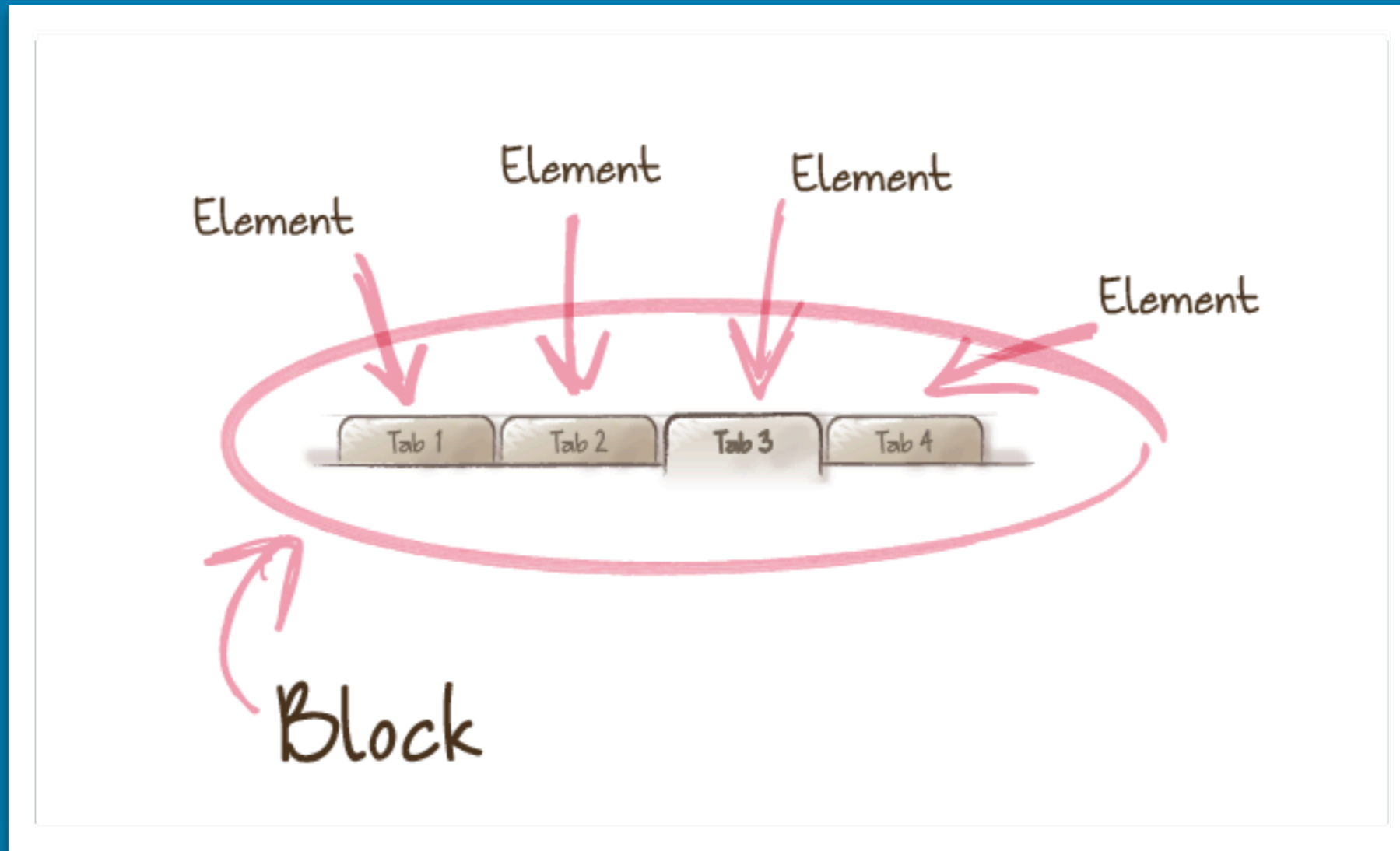
If the website source code is not following the defined structure, if its development is not based on fixed rules, it gradually becomes more and more difficult to maintain. The website code gets beyond the control of its developers.

In accord to BEM-methodology all the people taking part in the development of the website are working with a single codebase and are using the same terms to communicate, the same language:

1. Design of the website can change at any time, we must be ready for this
2. HTML/CSS code is developing together with the design, ready to its changes
3. Programmer and front-end developers are working together on the website codebase, contributing to the each other code

## The conditions of the methodology emergence

# Block, Element, Modifier



# Namenskonventionen

```
.site-search{} /* Block */  
.site-search__field{} /* Element */  
.site-search--full{} /* Modifier */
```

```
.person{} /* Block */  
.person__hand{} /* Element */  
.person--female{} /* Modifier */  
.person--female__hand{} /* Modifier with Element */  
.person__hand--left{} /* Element with Modifier */
```







**Oliver Knoblich**

@oknoblich

 Folgen

.BEM\_\_is--really-ugly { }



RETWEETS

**13**

FAVORITEN

**14**



03:16 - 30. Mai 2014

# CSS-TRICKS

[Blog](#)

[Videos](#)

[Almanac](#)

[Snippets](#)

[Forums](#)

[Jobs](#)

[Lodge](#)



## BEM 101

Published April 2, 2015 by Robin Rendle

HTML

CSS

Result

Edit on  CODEPEN

STANDARD BUTTON

\$3

BIG BUTTON

\$4

BIG BUTTON

\$9

BIG BUTTON

RERUN



1

```
<a href="http://css-tricks.com" class="btn">  
  <span class="btn__text">Standard button</span>  
</a>
```

1

2

3

```
<a href="http://css-tricks.com" class="btn btn--orange btn--big">  
  <span class="btn__price">$3</span>  
  <span class="btn__text">Big button</span>  
</a>
```

```
<a href="http://css-tricks.com" class="btn btn--blue btn--big">  
  <span class="btn__price">$4</span>  
  <span class="btn__text">Big button</span>  
</a>
```

```
<a href="http://css-tricks.com" class="btn btn--green btn--big">  
  <span class="btn__price">$9</span>  
  <span class="btn__text">Big button</span>  
</a>
```

```
/* Block */
.btn { /* Basic Styles */ }

/* Element */
.btn__price { /* Preis */ }
.btn__text { /* Text */ }

/* Modifier */
.btn--big { /* großer Button */ }

.btn--blue { /* */ }
.btn--orange { /* */ }
.btn--green { /* */ }
```



# Ab Sass 3.3



SCSS

```
1 ▾ .module {  
2   background: red;  
3 ▾  &__element {  
4     background: #cecece;  
5 ▾   &--modifier {  
6     background: green;  
7   }  
8 }  
9 }
```

CSS

```
1 ▾ .module {  
2   background: red;  
3 }  
4 ▾ .module__element {  
5   background: #cecece;  
6 }  
7 ▾ .module__element--modifier {  
8   background: green;  
9 }
```

# NCSS



redaxmedia / ncss

Watch 3

Naming conventions and best practices for CSS <http://ncss.redaxmedia.com>

66 commits

1 branch

0 releases

2 contributors



branch: master

ncss / +



Update README.md



redaxmedia authored 8 hours ago

latest commit 92b889e3b4

README.md

Update README.md

8 hours ago

README.md

## NCSS

NCSS is a paper about naming conventions and best practices for **object oriented** and **atomic designed** CSS. Get rid of reading your HTML again and again to find out what elements, tags and sections are affected.

# Strukturelle Klassen

Syntax: `.context`

Name	Tags
<code>.content</code>	article
<code>.footer</code>	footer
<code>.header</code>	header
<code>.navigation</code>	nav
<code>.section</code>	section
<code>.sidebar</code>	side
<code>.main</code>	div
<code>.wrapper</code>	div

# Typ-Klassen

Syntax: `.type` and `.type-context`

Prefix	Tags	Example
box-	blockquote, div	<code>.box-content</code>
button-	a, button	<code>.button-content</code>
field-	input, select, textarea	<code>.field-content</code>
form-	form	<code>.form-content</code>
item-	dd, dt, li	<code>.item-content</code>
label-	label, legend	<code>.label-content</code>
link-	a	<code>.link-content</code>
list-	dl, ol, ul	<code>.list-content</code>
set-	div, fieldset	<code>.set-content</code>
table-	table	<code>.table-content</code>
text-	span, p	<code>.text-content</code>
title-	h1, h2, h3, h4, h5, h6	<code>.title-content</code>

# Modifikator-Klassen

Suffix	Tags	Example
State		
-active	*	.item-active
-idle	*	.item-idle
-hover	*	.item-hover
-touch	*	.item-touch
Description		
-small	*	.item-small
-large	*	.item-large
Position		
-first	*	.item-first
-second	*	.item-second
-third	*	.item-third
-last	*	.item-last
-odd	*	.item-odd
-even	*	.item-even

Syntax: `.type-state` and `.type-context-state`

Syntax: `.type-description` and `.type-context-description`

Syntax: `.type-position` and `.type-context-position`

# Funktionale Klassen

Syntax: `.has-action` or `.fn-action`

Syntax: `.js-action` or `.js-context`

Prefix	Tags	Example
has-	*	<code>.has-tooltip</code>
fn-	*	<code>.fn-more</code>
js-	*	<code>.js-click</code>



# Namespace-Klassen

Syntax: `.namespace`

Prefix	Tags
foo-	*

Zusammenfassen und  
Ausnahmen gestalten

```
.btn-remove {  
  display:block;  
  width:11px;  
  height:11px;  
  font-size:0;  
  line-height:0;  
  background:url(../images/btn_remove.gif) 0 0 no-repeat;  
  text-indent:-999em;  
  overflow:hidden
```

```
}
```

```
.btn-remove2 {  
  display:block;  
  width:16px;  
  height:16px;  
  font-size:0;  
  line-height:0;  
  background:url(../images/btn_trash.gif) 0 0 no-repeat;  
  text-indent:-999em;  
  overflow:hidden
```

```
}
```

```
.btn-remove {
  display:block;
  width:11px;
  height:11px;
  font-size:0;
  line-height:0;
  background:url(../images/btn_remove.gif) 0 0 no-repeat;
  text-indent:-999em;
  overflow:hidden
}
```

```
/* besser: Ergänzung zu .btn-remove */
```

```
.btn-trash {
  width:16px;
  height:16px;
  background:url(../images/btn_trash.gif) 0 0 no-repeat;
}
```

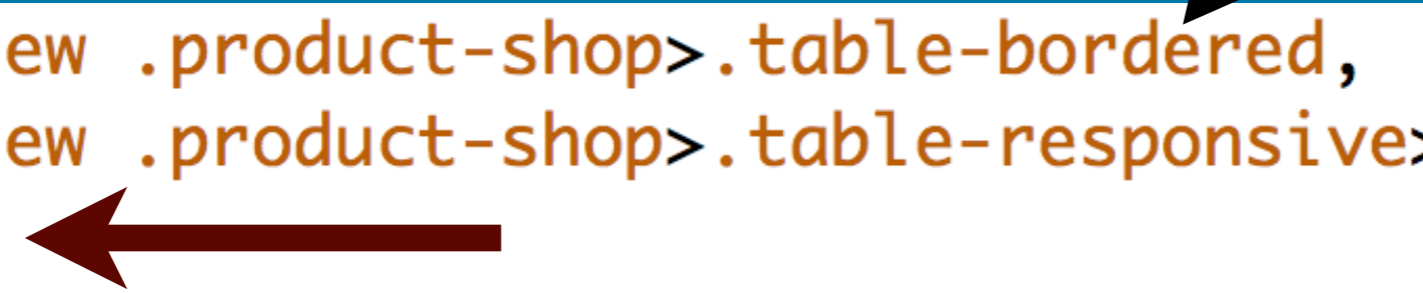
```
<button class="btn-remove btn-trash">Löschen</button>
```

# Unpraktische Klassennamen



```
._rounded-link.red,  
.category-overview>.to-range-button.red,  
.category-overview>.to-range-button {  
  background:#e70000;  
  color:#fff  
}
```

```
.product-view .product-shop>.table-bordered,  
.product-view .product-shop>.table-responsive>.table-bordered {  
  border:0  
}
```





# Jens Grochtdreis

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<http://webkrauts.de>

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<https://speakerdeck.com/flocke>



WEB STANDARDS  
**WEBKRAUTS**

