INTERNATIONALIZATION AND LOCALIZATION

DESIGN FOR VARIOUS

languages
countries
cultures

LANGUAGES

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ولی بعضی از زبانها راست به
چپ نوشته می شوند.

LANGUAGES

Um die gleichen Begriffe auszudrücken, erfordern manche Sprachen mehr oder längere Worte

LANGUAGES –

CSS

  Lang pseudo-class
    combined with
    other styling

  Direction

`:lang(zh-CN)`
`    { font-size: 120%; }`

`ol li:lang(hy-AM)`
`    { list-style-type:`
`armenian; }`

`div`
`    { direction: rtl;`
`unicode-bidi:`
`    bidi-override; }`

Countries

1/6/16

January 6?

1st June?

Countries

others?

Countries

dates

addresses

currency

phone numbers

Countries –

Angular localization

```
<script src =
"https://code.angularjs.org/1.2.5/
i18n/angular-locale_da-dk.js">
</script>
```

CODEPEN

Cultures

CULTURES -

local testing

ACCESSIBILITY

INPUT –

design websites to work
with keyboards

Demo

VISIBILITY

VISIBILITY –

CSS

media property

<link rel="stylesheet"

href="braille.css"

type="text/css"

media="braille" />

- **Aural**: Intended for speech synthesizers.
- **Braille**: Intended for Braille tactile feedback devices.
- **Embossed**: Intended for paged Braille printers.
- **Print**: Intended for paged, opaque material and for documents viewed on screen in print preview mode.
- **Screen**: Intended primarily for color computer screens.
- **TTY**: Intended for media using a fixed-pitch character grid, such as teletypes, terminals, or portable devices with limited display capabilities.

Visibility –

It appears, then, that your job as Web author need not include worrying about media stylesheets for accessibility. They're poorly thought out and are effectively unsupported in the real world.

- Joe Clark
Building Accessible Websites

http://joeclark.org/book/sashay/serialization/Chapter11.html

Visibility

http://www.templatemonster.com/blog/designing-colorblind-friendly-website/
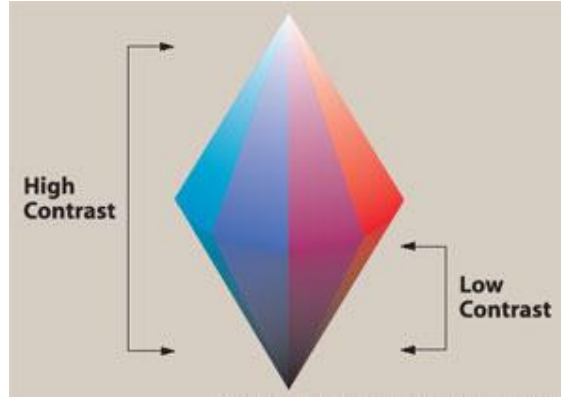
Visibility –

1) contrast!

Visibility –

1) contrast!
   - avoid using similar lightness

VISIBILITY –

1) contrast!
   - avoid using similar lightness
   - lighten light/ darken dark

VISIBILITY –

1) contrast!
   - avoid using similar lightness
   - lighten light/ darken dark
   - test in grayscale

Visibility –

1) contrast
2) simulators e.g.
   http://www.vischeck.com/

Low Bandwidth

Terra Weikel 2009

Low bandwidth -

Reduce size
   avoid video/pdf, compress images
Good layout
Support caching/offline use

ACCESSIBILITY

+

I18N