

Converting Colors

CIELCh(51, 13.227, 18.032)

Have a look what the booklet for
CIELCh(51, 13.227, 18.032) contains.

CIELCh(51, 13.008, 18.380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 13.008, 18.380)

Conversions

Conversions Part 1

Format	Color
Hex	917273
RGB	145, 114, 115
RGB Percent	57%, 45%, 45%
CMY	0.4317, 0.5532, 0.5493
CMYK	0.00, 0.21, 0.21, 0.43
HSL	358°, 12%, 51%
HSV	358°, 21%, 57%
XYZ	20.7646, 19.2686, 18.8238
YIQ	123.3830, 18.1550, 6.8830

Conversions

Conversions Part 2

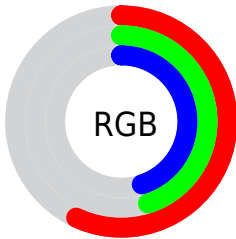
Format	Color
R_{YB}	145, 114, 115
Decimal	9532019
CIE _{Lab}	51.00, 12.34, 4.10
CIE _{LCh}	51, 13.008, 18.380
Yxy	19.2686, 0.3528, 0.3274
Android (android.graphics.Color)	4287722099 (0xFF917273)
YUV	123.3830, -4.1328, 18.9581
Hunter-Lab	43.8960, 7.6196, 5.3020

Details

The CIELCh color $51, 13.008, 18.380$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $58, 11.436, 195.485$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.857, 18.111$, and $31, 13.006, 18.886$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.760, 19.523$, and if you desaturate by 10%, it is $55, 6.679, 17.467$.

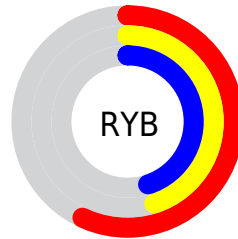
Distribution



Red (57%)

Green (45%)

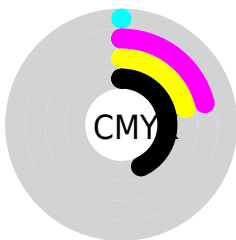
Blue (45%)



Red (57%)

Yellow (45%)

Blue (45%)

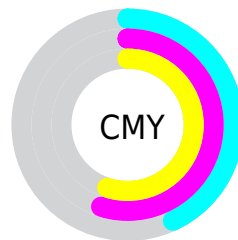


Cyan (0%)

Magenta (21%)

Yellow (21%)

Black (43%)



Cyan (43%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.008, 18.380 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 13.008, 18.380 by changing the saturation by 10% instead.

■ 51, 13.008, 18.380

■ 51, 13.008, 18.380

■ 100, 13.008,
18.380

■ 41, 13.008, 18.380

■ 71, 13.008, 18.380

■ 31, 13.008, 18.380

■ 81, 13.008, 18.380

■ 21, 13.008, 18.380

■ 91, 13.008, 18.380

■ 11, 13.008, 18.380

■ 1, 13.008, 18.380

■ 0, 13.008, 18.380

■ 51, 13.008, 18.380

■ 51, 13.008, 18.380

■ 47, 19.760, 19.523

■ 55, 6.679, 17.467

■ 43, 26.895, 20.966

■ 60, 0.785, 16.270

39, 34.310, 22.816

64, 4.696, 196.337

36, 41.837, 25.181

68, 9.796, 195.816

34, 49.253, 28.147

73, 14.551,
195.408

32, 56.280, 31.688

77, 18.999,
195.070

30, 62.503, 35.480

29, 66.785, 37.960

82, 23.177,
194.785

86, 27.116,
194.540

90, 30.846,
194.328

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 13.008, 18.380



58, 11.436, 195.485

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 13.008, 18.380



51, 13.008, 68.380



51, 13.008, 198.380



51, 13.008, 248.380

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 13.007, 18.387



73, 4.283, 17.016



52, 21.388, 324.633



38, 2.837, 17.066



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 13.007, 18.387



63, 19.970, 18.940



55, 10.852, 69.252



28, 3.246, 17.279



27, 63.108, 37.520



0, 2.125, 16.727

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51, 13.007, 18.387



63, 19.970, 18.940



54, 10.152, 254.653



28, 3.246, 17.279



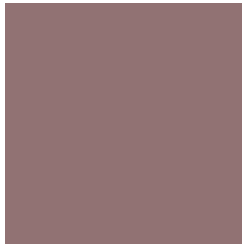
27, 63.108, 37.520



0, 2.125, 16.727

Previews

White Background



This preview shows how the CIELCh color 51, 13.008, 18.380 looks on a white background.

Color Contrast Check

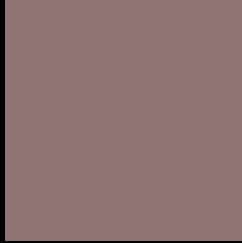
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 13.008, 18.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

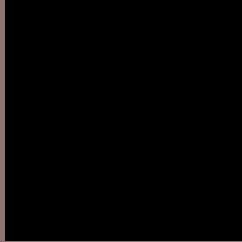
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 13.008, 18.380

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.008, 18.380.



This preview shows how white text looks on a background with the CIELCh color 51, 13.008, 18.380.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


51, 13.008, 18.380

Protanopia

51, 1.669, 63.318

Deuteranopia

51, 8.125, 32.550



Tritanopia
51, 14.490, 0.156

Trichromacy



Original Color
51, 13.008, 18.380

Protanomaly
51, 5.747, 19.992

Deuteranomaly
51, 9.705, 27.283

Tritanomaly
51, 14.083, 6.884

Monochromacy



Original Color
51, 13.008, 18.380

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 4.484, 19.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.008, 18.380 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(145, 114, 115)` looks like.

```
.text, #text, p{  
    color:rgb(145, 114, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(145, 114, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 114, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.008, 18.380 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 114, 115) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(145, 114, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(145, 114, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 114, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 114, 115); box-shadow:4px 4px 4px 4px rgb(145, 114, 115) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.008, 18.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 114, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(145,  
114, 115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor