

Converting Colors

CIELCh(48, 52.170, 103.162)

Have a look what the booklet for
CIELCh(48, 52.170, 103.162)
contains.

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Color

CIELCh(48, 52.144, 103.191)

Conversions

Conversions Part 1

Format	Color
Hex	76760D
RGB	118, 118, 13
RGB Percent	46%, 46%, 5%
CMY	0.5378, 0.5378, 0.9498
CMYK	0.00, 0.00, 0.89, 0.54
HSL	60°, 80%, 26%
HSV	60°, 89%, 46%
XYZ	13.9848, 16.7945, 2.8781
YIQ	106.0300, 33.7050, -32.6550

Conversions

Conversions Part 2

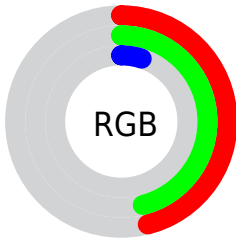
Format	Color
RYB	13, 118, 13
Decimal	7763469
CIELab	48.00, -11.90, 50.77
CIElCh	48, 52.144, 103.191
Yxy	16.7945, 0.4155, 0.4990
Android (android.graphics.Color)	4285953549 (0xFF76760D)
YUV	106.0300, -45.8638, 10.4977
Hunter-Lab	40.9810, -10.8035, 24.5229

Details

The CIELCh color **48, 52.144, 103.191** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 69.418, 304.735**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 52.043, 103.327**, and **28, 38.192, 106.049** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.578, 102.887**, and if you desaturate by 10%, it is **48, 48.807, 103.620**.

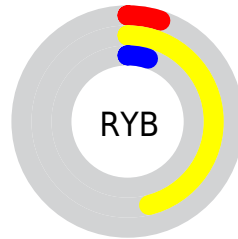
Distribution



Red (46%)

Green (46%)

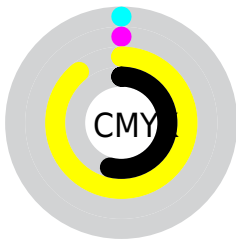
Blue (5%)



Red (5%)

Yellow (46%)

Blue (5%)

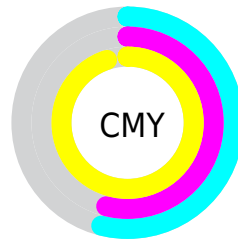


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 52.144, 103.191 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 48, 52.144, 103.191 by changing the saturation by 10% instead.


 48, 52.144,
103.191


 48, 52.144,
103.191


 100, 52.144,
103.191


 38, 52.144,
103.191

 68, 52.144,
103.191


 28, 52.144,
103.191

 78, 52.144,
103.191

 18, 52.144,
103.191

 88, 52.144,
103.191

 8, 52.144, 103.191

 98, 52.144,
103.191

 0, 52.144, 103.191

 48, 52.144,

 48, 52.144,

103.191

■ 48, 54.578,
102.887

■ 48, 54.791,
102.860

103.191

■ 48, 48.807,
103.620

■ 48, 44.297,
104.207

■ 48, 38.910,
104.921

■ 48, 32.919,
105.727

■ 49, 26.538,
106.595

■ 49, 19.914,
107.500

■ 49, 13.145,
108.421

■ 49, 6.295, 109.341

Harmonies

Complementary

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



48, 52.144, 103.191



14, 69.418, 304.735

Rectangle

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



48, 52.144, 103.191



48, 52.144, 153.191



48, 52.144, 283.191



48, 52.144, 333.191

Sweetspot

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



48, 52.144, 103.193



62, 22.859, 107.635



24, 52.698, 35.555



32, 15.288, 107.399



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 52.144, 103.193



61, 66.185, 102.860



44, 57.707, 126.753



25, 3.857, 109.352



50, 56.293, 102.860



95, 95.438, 102.861

Inverse Universe

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



14, 69.418, 304.735



17, 91.389, 306.288



19, 65.415, 312.514



22, 3.936, 291.069



12, 77.729, 306.288



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 52.144, 103.191 looks on a white 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

Black Background



This preview shows how the CIELCh color 48, 52.144, 103.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

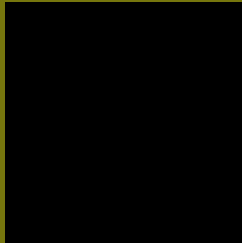
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 52.144, 103.191

Background



This preview shows how black text looks on a background with the CIELCh color 48, 52.144, 103.191.



This preview shows how white text looks on a background with the CIELCh color 48, 52.144, 103.191.

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

48, 52.144, 103.191

Protanopia

48, 51.728, 94.991

Deuteranopia

48, 49.894, 82.724



Tritanopia
48, 8.051, 344.647

Trichromacy



Original Color
48, 52.144, 103.191

Protanomaly
48, 51.539, 97.746

Deuteranomaly
48, 49.964, 90.920

Tritanomaly
48, 19.813, 94.337

Monochromacy



Original Color
48, 52.144, 103.191

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 22.219, 107.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 52.144, 103.191 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(118, 118, 13)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 13)  
}
```

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(118, 118, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 52.144, 103.191 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(118, 118, 13) }
```

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

```
.border{ border-color:rgb(118, 118, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 13);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 52.144, 103.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 13) }
```

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

```
.background{ background-color: rgb(118,  
118, 13) }
```

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](#).

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