

Converting Colors

CIELCh(48, 10.586, 11.607)

Have a look what the booklet for
CIELCh(48, 10.586, 11.607) contains.

CIELCh(48, 10.609, 11.194)	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(48, 10.609, 11.194)

Conversions

Conversions Part 1

Format	Color
Hex	856C6F
RGB	133, 108, 111
RGB Percent	52%, 42%, 44%
CMY	0.4793, 0.5773, 0.5655
CMYK	0.00, 0.19, 0.17, 0.48
HSL	353°, 10%, 47%
HSV	353°, 19%, 52%
XYZ	17.8383, 16.7945, 17.2814
YIQ	115.8170, 13.9370, 6.2330

Conversions

Conversions Part 2

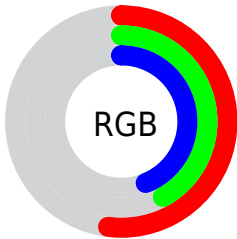
Format	Color
R_{YB}	133, 108, 111
Decimal	8744047
CIE Lab	48.00, 10.41, 2.06
CIE LCh	48, 10.609, 11.194
Yxy	16.7945, 0.3436, 0.3235
Android (android.graphics.Color)	4286934127 (0xFF856C6F)
YUV	115.8170, -2.3748, 15.0695
Hunter-Lab	40.9810, 5.9808, 3.6846

Details

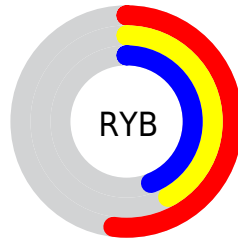
The CIELCh color $48, 10.609, 11.194$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 9.685, 188.109$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 10.710, 8.585$, and $28, 10.846, 11.248$ is the 20% darker color. If you saturate the color by 10%, you get $44, 16.713, 12.392$, and if you desaturate by 10%, it is $52, 4.823, 10.184$.

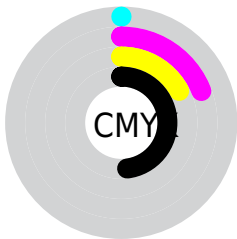
Distribution



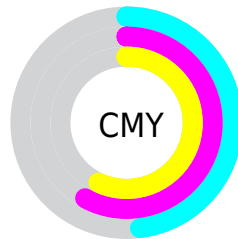
- Red (52%)
- Green (42%)
- Blue (44%)



- Red (52%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (19%)
- Yellow (17%)
- Black (48%)



- Cyan (48%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 10.609, 11.194 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, 10.609, 11.194 by changing the saturation by 10% instead.

■ 48, 10.609, 11.194

■ 48, 10.609, 11.194

■ 100, 10.609,
11.194

■ 38, 10.609, 11.194

■ 68, 10.609, 11.194

■ 28, 10.609, 11.194

■ 78, 10.609, 11.194

■ 18, 10.609, 11.194

■ 88, 10.609, 11.194

■ 8, 10.609, 11.194

■ 98, 10.609, 11.194

■ 0, 10.609, 11.194

■ 48, 10.609, 11.194

■ 48, 10.609, 11.194

■ 44, 16.713, 12.392

■ 52, 4.823, 10.184

■ 41, 23.088, 13.849

■ 56, 0.624, 190.079

37, 29.634, 15.664

60, 5.742, 188.824

34, 36.194, 17.948

64, 10.550,
188.194

31, 42.564, 20.825

68, 15.073,
187.660

29, 48.533, 24.391

28, 53.933, 28.621

72, 19.340,
187.192

27, 58.841, 32.926

76, 23.377,
186.777

27, 59.423, 33.352

80, 27.209,
186.405

85, 30.861,
186.069

Harmonies

Complementary

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



48, 10.609, 11.194



53, 9.685, 188.109

Rectangle

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



48, 10.609, 11.194



48, 10.609, 61.194



48, 10.609, 191.194



48, 10.609, 241.194

Sweetspot

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



48, 10.608, 11.201



68, 4.048, 9.915



48, 17.018, 321.609



35, 2.678, 9.969



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 10.608, 11.201



60, 16.345, 11.734



50, 8.586, 58.153



26, 3.084, 10.214



26, 58.462, 33.233



0, 0.719, 9.533

Inverse Universe

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



48, 10.608, 11.201



60, 16.345, 11.734



51, 7.872, 241.879



26, 3.084, 10.214



26, 58.462, 33.233



0, 0.719, 9.533

Previews

White Background



This preview shows how the CIELCh color 48, 10.609, 11.194 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 CIE LCh color 48, 10.609, 11.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

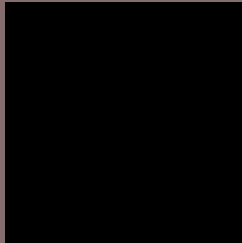
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.609, 11.194

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.609, 11.194.



This preview shows how white text looks on a background with the CIELCh color 48, 10.609, 11.194.

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, 10.609, 11.194

Protanopia

48, 0.813, 19.049

Deuteranopia

48, 6.675, 20.149



Tritanopia
48, 11.716, 357.311

Trichromacy



Original Color
48, 10.609, 11.194

Protanomaly
48, 4.157, 11.706

Deuteranomaly
48, 7.964, 16.118

Tritanomaly
48, 11.361, 2.827

Monochromacy



Original Color
48, 10.609, 11.194

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 3.740, 10.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.609, 11.194 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(133, 108, 111)` looks like.

```
.text, #text, p{  
    color:rgb(133, 108, 111)  
}
```

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(133, 108, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 108, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.609, 11.194 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(133, 108, 111) }
```

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

```
.border{ border-color:rgb(133, 108, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 108, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 108, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 108, 111);  
box-shadow:4px 4px 4px 4px rgb(133, 108,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.609, 11.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 108, 111) }
```

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

```
.background{ background-color: rgb(133,  
108, 111) }
```

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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