

Converting Colors

CIELCh(48, 4.554, 19.099)

Have a look what the booklet for
CIELCh(48, 4.554, 19.099) contains.

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Color

CIELCh(48, 4.578, 12.512)

Conversions

Conversions Part 1

Format	Color
Hex	7A6F70
RGB	122, 111, 112
RGB Percent	48%, 44%, 44%
CMY	0.5201, 0.5632, 0.5593
CMYK	0.00, 0.09, 0.08, 0.52
HSL	355°, 5%, 46%
HSV	355°, 9%, 48%
XYZ	16.7511, 16.7945, 17.7976
YIQ	114.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

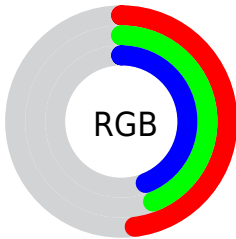
Format	Color
R_{YB}	122, 111, 112
Decimal	8023920
CIE Lab	48.00, 4.47, 0.99
CIE LCh	48, 4.578, 12.512
Yxy	16.7945, 0.3263, 0.3271
Android (android.graphics.Color)	4286214000 (0xFF7A6F70)
YUV	114.4030, -1.1847, 6.6626
Hunter-Lab	40.9810, 1.2455, 2.9377

Details

The CIELCh color $48, 4.578, 12.512$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 4.375, 191.344$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 4.257, 12.275$, and $28, 4.612, 12.145$ is the 20% darker color. If you saturate the color by 10%, you get $44, 9.979, 13.498$, and if you desaturate by 10%, it is $52, 0.495, 192.597$.

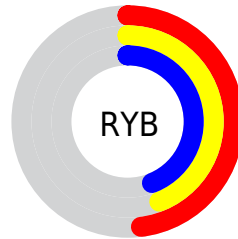
Distribution



Red (48%)

Green (44%)

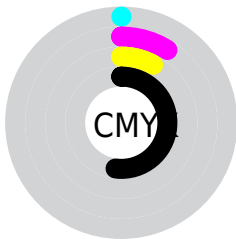
Blue (44%)



Red (48%)

Yellow (44%)

Blue (44%)

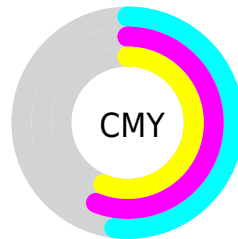


Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (52%)



Cyan (52%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.578, 12.512 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, 4.578, 12.512 by changing the saturation by 10% instead.

■ 48, 4.578, 12.512 ■ 48, 4.578, 12.512

■ 100, 4.578, 12.512 ■ 38, 4.578, 12.512

■ 68, 4.578, 12.512 ■ 28, 4.578, 12.512

■ 78, 4.578, 12.512 ■ 18, 4.578, 12.512

■ 88, 4.578, 12.512 ■ 8, 4.578, 12.512

■ 98, 4.578, 12.512 ■ 0, 4.578, 12.512

■ 48, 4.578, 12.512 ■ 48, 4.578, 12.512

■ 44, 9.979, 13.498 ■ 52, 0.495, 192.597

■ 41, 15.702, 14.646 ■ 56, 5.246, 191.261

■ 37, 21.707, 16.059 ■ 59, 9.699, 190.674

■ 34, 27.908, 17.828

■ 63, 13.879,
190.183

■ 31, 34.170, 20.061

■ 67, 17.814,
189.758

■ 29, 40.313, 22.871

■ 27, 46.139, 26.337

■ 71, 21.531,
189.384

■ 25, 51.463, 30.395

■ 75, 25.054,
189.052

■ 24, 56.161, 34.077

■ 79, 28.406,
188.754

■ 82, 31.605,
188.485

Harmonies

Complementary

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



48, 4.578, 12.512



50, 4.375, 191.344

Rectangle

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



48, 4.578, 12.512



48, 4.578, 62.512



48, 4.578, 192.512



48, 4.578, 242.512

Sweetspot

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



48, 4.577, 12.527



64, 1.848, 11.892



48, 7.633, 322.109



33, 1.396, 11.993



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 4.577, 12.527



60, 6.954, 12.739



49, 3.741, 62.941



24, 2.868, 12.534



25, 57.543, 34.469



53, 99.923, 37.110

Inverse Universe

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



48, 4.577, 12.527



60, 6.954, 12.739



49, 3.618, 244.928



24, 2.868, 12.534



25, 57.543, 34.469



53, 99.923, 37.110

Previews

White Background



This preview shows how the CIELCh color 48, 4.578, 12.512 looks on a white background.

Color Contrast Check

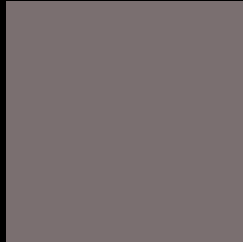
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.578, 12.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

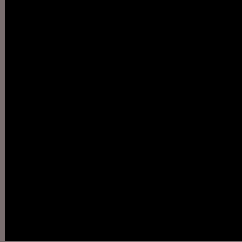
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

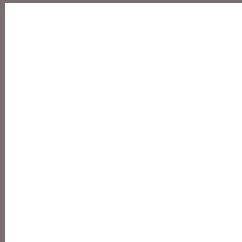
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.578, 12.512

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.578, 12.512.



This preview shows how white text looks on a background with the CIELCh color 48, 4.578, 12.512.

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, 4.578, 12.512

Protanopia

48, 1.363, 353.686

Deuteranopia

48, 6.442, 4.290



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 4.578, 12.512

Protanomaly
48, 2.529, 6.115

Deuteranomaly
48, 5.491, 7.677

Tritanomaly
48, 6.044, 344.384

Monochromacy



Original Color
48, 4.578, 12.512

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.630, 19.370

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 48, 4.578, 12.512 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(122, 111, 112)` looks like.

```
.text, #text, p{  
    color:rgb(122, 111, 112)  
}
```

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(122, 111, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 111, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.578, 12.512 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(122, 111, 112) }
```

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

```
.border{ border-color:rgb(122, 111, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 111, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 111, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 111, 112);  
box-shadow:4px 4px 4px 4px rgb(122, 111,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.578, 12.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 111, 112) }
```

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

```
.background{ background-color: rgb(122,  
111, 112) }
```

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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