

Converting Colors

CIELCh(48, 5.049, 177.503)

Have a look what the booklet for
CIELCh(48, 5.049, 177.503) contains.

CIELCh(48, 4.763, 177.118)	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, 4.763, 177.118)

Conversions

Conversions Part 1

Format	Color
Hex	697471
RGB	105, 116, 113
RGB Percent	41%, 45%, 44%
CMY	0.5869, 0.5437, 0.5555
CMYK	0.09, 0.00, 0.03, 0.54
HSL	164°, 5%, 43%
HSV	164°, 9%, 46%
XYZ	15.1510, 16.7945, 18.1675
YIQ	112.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

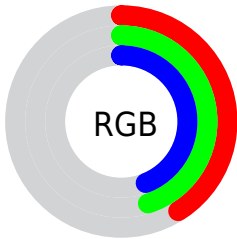
Format	Color
R_{YB}	105, 111, 116
Decimal	6911089
CIE _{Lab}	48.00, -4.76, 0.24
CIE _{LCh}	48, 4.763, 177.118
Yxy	16.7945, 0.3023, 0.3351
Android (android.graphics.Color)	4285101169 (0xFF697471)
YUV	112.3690, 0.3111, -6.4626
Hunter-Lab	40.9810, -5.7240, 2.4026

Details

The CIELCh color $48, 4.763, 177.118$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 4.902, 358.657$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 4.807, 178.969$, and $28, 4.808, 174.795$ is the 20% darker color. If you saturate the color by 10%, you get $47, 9.701, 176.149$, and if you desaturate by 10%, it is $49, 0.277, 356.727$.

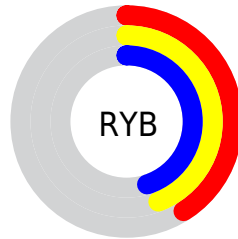
Distribution



Red (41%)

Green (45%)

Blue (44%)



Red (41%)

Yellow (44%)

Blue (45%)

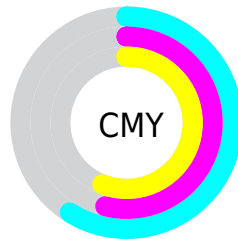


Cyan (9%)

Magenta (0%)

Yellow (3%)

Black (54%)



Cyan (59%)













Magenta (54%)







Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.763, 177.118 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, 4.763, 177.118 by changing the saturation by 10% instead.

 48, 4.763, 177.118	 48, 4.763, 177.118
 100, 4.763, 177.118	 38, 4.763, 177.118
 68, 4.763, 177.118	 28, 4.763, 177.118
 78, 4.763, 177.118	 18, 4.763, 177.118
 88, 4.763, 177.118	 8, 4.763, 177.118
 98, 4.763, 177.118	 0, 4.763, 177.118

 48, 4.763, 177.118	 48, 4.763, 177.118
 47, 9.701, 176.149	 49, 0.277, 356.727
 46, 14.469, 175.148	 50, 5.365, 358.675

■ 45, 18.995,
174.074

■ 51, 10.456,
359.490

■ 45, 23.200,
172.908

■ 53, 15.515, 0.252

■ 44, 27.012,
171.628

■ 54, 20.514, 0.978

■ 44, 30.366,
170.214

■ 55, 25.435, 1.674

■ 44, 33.220,
168.644

■ 58, 34.996, 2.989

■ 43, 35.565,
166.903

■ 60, 39.625, 3.610

■ 43, 37.595,
165.108

Harmonies

Complementary

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



48, 4.763, 177.118



46, 4.902, 358.657

Rectangle

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



48, 4.763, 177.118



48, 4.763, 227.118



48, 4.763, 357.118



48, 4.763, 47.118

Sweetspot

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



48, 4.764, 177.109



62, 1.871, 177.813



48, 7.263, 135.887



32, 1.429, 177.711



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, 4.764, 177.109



61, 6.827, 176.935



47, 3.658, 221.851



24, 2.854, 177.150



45, 39.169, 164.895



88, 67.653, 163.652

Inverse Universe

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



46, 4.902, 358.657



57, 7.062, 358.844



46, 3.864, 41.093



23, 2.933, 358.614



25, 50.981, 21.282



53, 88.228, 24.691

Previews

White Background



This preview shows how the CIELCh color 48, 4.763, 177.118 looks on a white background.

Color Contrast Check

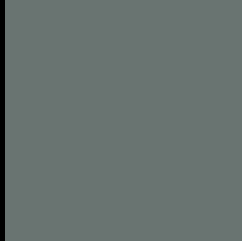
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.763, 177.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

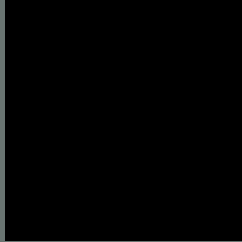
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

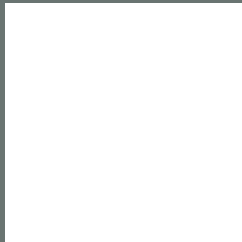
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.763, 177.118

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.763, 177.118.



This preview shows how white text looks on a background with the CIELCh color 48, 4.763, 177.118.

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, 4.763, 177.118

Protanopia

48, 1.353, 45.012

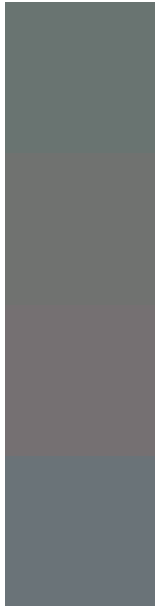
Deuteranopia

48, 6.459, 353.091



Tritanopia
48, 6.072, 260.368

Trichromacy



Original Color
48, 4.763, 177.118

Protanomaly
48, 1.434, 144.469

Deuteranomaly
48, 2.365, 349.648

Tritanomaly
48, 4.536, 239.827

Monochromacy



Original Color
48, 4.763, 177.118

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.723, 179.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.763, 177.118 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(105, 116, 113)` looks like.

```
.text, #text, p{  
    color:rgb(105, 116, 113)  
}
```

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(105, 116, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 116, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.763, 177.118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

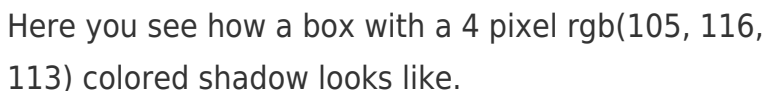
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 116, 113) }
```

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

```
.border{ border-color:rgb(105, 116, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 116, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 116, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 116, 113);  
box-shadow:4px 4px 4px 4px rgb(105, 116,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.763, 177.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 116, 113) }
```

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

```
.background{ background-color: rgb(105,  
116, 113) }
```

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