

Converting Colors

CIELCh(48, 7.462, 197.137)

Have a look what the booklet for
CIELCh(48, 7.462, 197.137) contains.

CIELCh(48, 7.790, 194.223)	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, 7.790, 194.223)

Conversions

Conversions Part 1

Format	Color
Hex	627675
RGB	98, 118, 117
RGB Percent	38%, 46%, 46%
CMY	0.6162, 0.5378, 0.5417
CMYK	0.17, 0.00, 0.01, 0.54
HSL	177°, 9%, 42%
HSV	177°, 17%, 46%
XYZ	14.6873, 16.7945, 19.2545
YIQ	111.9060, -11.5990, -4.5510

Conversions

Conversions Part 2

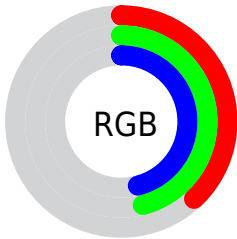
Format	Color
R _Y B	98, 108, 118
Decimal	6452853
CIE Lab	48.00, -7.55, -1.91
CIE LCh	48, 7.790, 194.223
Yxy	16.7945, 0.2895, 0.3310
Android (android.graphics.Color)	4284642933 (0xFF627675)
YUV	111.9060, 2.5113, -12.1956
Hunter-Lab	40.9810, -7.7436, 0.8300

Details

The CIELCh color $48, 7.790, 194.223$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 8.564, 16.506$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 7.728, 194.704$, and $28, 7.923, 193.458$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.040, 193.581$, and if you desaturate by 10%, it is $49, 3.271, 194.912$.

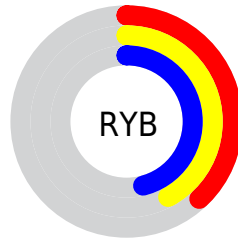
Distribution



Red (38%)

Green (46%)

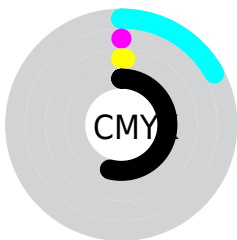
Blue (46%)



Red (38%)

Yellow (42%)

Blue (46%)

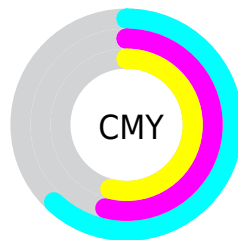


Cyan (17%)

Magenta (0%)

Yellow (1%)

Black (54%)



Cyan (62%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 7.790, 194.223 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, 7.790, 194.223 by changing the saturation by 10% instead.

■ 48, 7.790, 194.223

■ 48, 7.790, 194.223

■ 100, 7.790,
194.223

■ 38, 7.790, 194.223

■ 68, 7.790, 194.223

■ 28, 7.790, 194.223

■ 78, 7.790, 194.223

■ 18, 7.790, 194.223

■ 88, 7.790, 194.223

■ 8, 7.790, 194.223

■ 98, 7.790, 194.223

■ 0, 7.790, 194.223

■ 48, 7.790, 194.223

■ 48, 7.790, 194.223

■ 47, 12.040,
193.581

■ 49, 3.271, 194.912

■ 47, 15.949,

■ 50, 1.452, 15.185

192.970

51, 6.320, 16.030

46, 19.446,
192.376

52, 11.282, 16.710

45, 22.468,
191.793

53, 16.296, 17.374

45, 24.962,
191.218

55, 21.329, 18.032

45, 26.901,
190.640

56, 26.354, 18.683

45, 28.283,
190.051

58, 31.353, 19.324

44, 29.217,
189.447

44, 29.488,
189.268

Harmonies

Complementary

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



48, 7.790, 194.223



43, 8.564, 16.506

Rectangle

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



48, 7.790, 194.223



48, 7.790, 244.223



48, 7.790, 14.223



48, 7.790, 64.223

Sweetspot

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



48, 7.791, 194.216



63, 2.917, 195.069



48, 14.124, 141.735



32, 1.977, 195.020



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, 7.791, 194.216



61, 11.267, 193.988



45, 6.671, 249.973



24, 2.622, 194.755



46, 30.302, 189.241



89, 51.505, 188.862

Inverse Universe

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



43, 8.564, 16.506



54, 12.652, 16.847



46, 7.079, 66.052



23, 2.754, 15.802



24, 57.659, 35.993



52, 101.061, 38.603

Previews

White Background



This preview shows how the CIELCh color 48, 7.790, 194.223 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, 7.790, 194.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

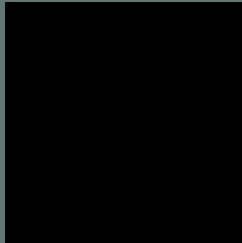
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 7.790, 194.223

Background



This preview shows how black text looks on a background with the CIELCh color 48, 7.790, 194.223.



This preview shows how white text looks on a background with the CIELCh color 48, 7.790, 194.223.

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

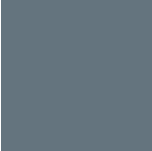
48, 7.790, 194.223

Protanopia

48, 1.012, 343.518

Deuteranopia

48, 7.096, 338.640



Tritanopia
48, 8.303, 244.417

Trichromacy



Original Color
48, 7.790, 194.223

Protanomaly
48, 2.397, 199.285

Deuteranomaly
48, 2.987, 298.267

Tritanomaly
48, 7.609, 226.597

Monochromacy



Original Color
48, 7.790, 194.223

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 2.796, 199.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 7.790, 194.223 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(98, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(98, 118, 117)  
}
```

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(98, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 118, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 7.790, 194.223 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(98, 118, 117) }
```

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

```
.border{ border-color:rgb(98, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(98, 118,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 7.790, 194.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 118, 117) }
```

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

```
.background{ background-color: rgb(98, 118,  
117) }
```

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