

Converting Colors

CIELCh(48, 8.208, 112.009)

Have a look what the booklet for
CIELCh(48, 8.208, 112.009) contains.

CIELCh(48, 8.220, 112.001)	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, 8.220, 112.001)

Conversions

Conversions Part 1

Format	Color
Hex	727365
RGB	114, 115, 101
RGB Percent	45%, 45%, 40%
CMY	0.5527, 0.5488, 0.6037
CMYK	0.01, 0.00, 0.12, 0.55
HSL	64°, 6%, 42%
HSV	64°, 12%, 45%
XYZ	15.4340, 16.7945, 14.7529
YIQ	113.1050, 3.8980, -4.5660

Conversions

Conversions Part 2

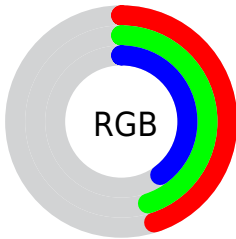
Format	Color
R_{YB}	101, 115, 102
Decimal	7500645
CIE Lab	48.00, -3.08, 7.62
CIE LCh	48, 8.220, 112.001
Yxy	16.7945, 0.3285, 0.3575
Android (android.graphics.Color)	4285690725 (0xFF727365)
YUV	113.1050, -5.9678, 0.7849
Hunter-Lab	40.9810, -4.4913, 7.3427

Details

The CIELCh color **48, 8.220, 112.001** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 8.441, 294.062**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 8.232, 112.041**, and **28, 8.367, 111.755** is the 20% darker color. If you saturate the color by 10%, you get **48, 14.930, 111.190**, and if you desaturate by 10%, it is **48, 1.464, 112.803**.

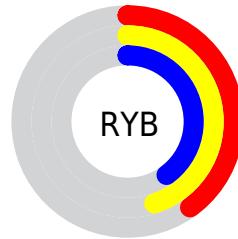
Distribution



Red (45%)

Green (45%)

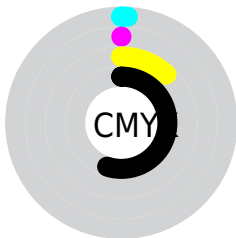
Blue (40%)



Red (40%)

Yellow (45%)

Blue (40%)

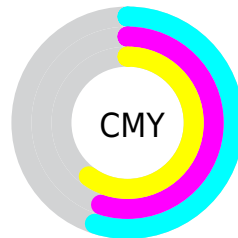


Cyan (1%)

Magenta (0%)

Yellow (12%)

Black (55%)



Cyan (55%)













Magenta (55%)







Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 8.220, 112.001 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, 8.220, 112.001 by changing the saturation by 10% instead.

 48, 8.220, 112.001	 48, 8.220, 112.001
 100, 8.220, 112.001	 38, 8.220, 112.001
 68, 8.220, 112.001	 28, 8.220, 112.001
 78, 8.220, 112.001	 18, 8.220, 112.001
 88, 8.220, 112.001	 8, 8.220, 112.001
 98, 8.220, 112.001	 0, 8.220, 112.001

 48, 8.220, 112.001	 48, 8.220, 112.001
 48, 14.930, 111.190	 48, 1.464, 112.803
 47, 21.544,	 49, 5.311, 293.615

110.375

■ 49, 12.079,
294.376

■ 47, 27.990,
109.583

■ 50, 18.826,
295.108

■ 47, 34.163,
108.839

■ 50, 25.538,
295.806

■ 47, 39.904,
108.175

■ 51, 32.208,
296.467

■ 46, 44.991,
107.635

■ 51, 38.827,
297.092

■ 46, 49.144,
107.270

■ 52, 45.389,
297.679

■ 46, 52.091,
107.127

■ 53, 51.889,
298.231

■ 46, 54.044,
107.074

Harmonies

Complementary

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



48, 8.220, 112.001



43, 8.441, 294.062

Rectangle

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



48, 8.220, 112.001



48, 8.220, 162.001



48, 8.220, 292.001



48, 8.220, 342.001

Sweetspot

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



48, 8.221, 112.008



62, 3.366, 112.656



44, 5.556, 25.756



32, 2.411, 112.606



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, 8.221, 112.008



62, 12.614, 111.745



47, 8.897, 130.877



24, 3.864, 112.261



49, 56.493, 107.101



94, 95.814, 107.333

Inverse Universe

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



43, 8.441, 294.062



54, 13.039, 294.377



44, 9.021, 311.848



22, 3.943, 293.771



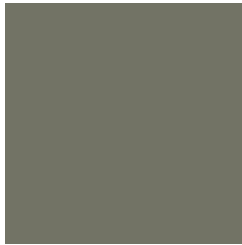
12, 77.297, 306.632



32, 131.438, 306.447

Previews

White Background



This preview shows how the CIELCh color 48, 8.220, 112.001 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, 8.220, 112.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

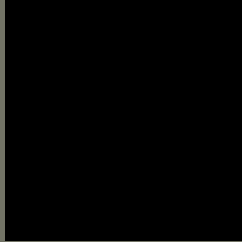
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

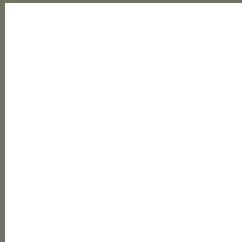
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 8.220, 112.001

Background



This preview shows how black text looks on a background with the CIELCh color 48, 8.220, 112.001.



This preview shows how white text looks on a background with the CIELCh color 48, 8.220, 112.001.

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, 8.220, 112.001

Protanopia

48, 8.477, 94.496

Deuteranopia

48, 9.446, 49.846



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color
48, 8.220, 112.001

Protanomaly
48, 8.306, 100.224

Deuteranomaly
48, 7.801, 68.350

Tritanomaly
48, 1.363, 353.686

Monochromacy



Original Color
48, 8.220, 112.001

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.969, 117.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 8.220, 112.001 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(114, 115, 101)` looks like.

```
.text, #text, p{  
    color:rgb(114, 115, 101)  
}
```

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(114, 115, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 115, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 8.220, 112.001 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(114, 115, 101) }
```

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

```
.border{ border-color:rgb(114, 115, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 115, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 115, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 115, 101);  
box-shadow:4px 4px 4px 4px rgb(114, 115,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 8.220, 112.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 115, 101) }
```

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

```
.background{ background-color: rgb(114,  
115, 101) }
```

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