

Converting Colors

CIELCh(48, 7.274, 68.166)

Have a look what the booklet for
CIELCh(48, 7.274, 68.166) contains.

CIELCh(48, 7.061, 68.003)	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, 7.061, 68.003)

Conversions

Conversions Part 1

Format	Color
Hex	7B7067
RGB	123, 112, 103
RGB Percent	48%, 44%, 40%
CMY	0.5174, 0.5606, 0.5959
CMYK	0.00, 0.09, 0.16, 0.52
HSL	27°, 9%, 44%
HSV	27°, 16%, 48%
XYZ	16.4262, 16.7945, 15.2207
YIQ	114.2630, 9.4450, -0.4670

Conversions

Conversions Part 2

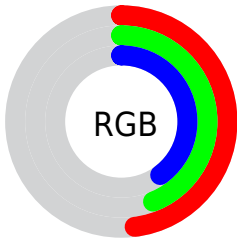
Format	Color
RYB	123, 119, 103
Decimal	8089703
CIELab	48.00, 2.64, 6.55
CIELCh	48, 7.061, 68.003
Yxy	16.7945, 0.3391, 0.3467
Android (android.graphics.Color)	4286279783 (0xFF7B7067)
YUV	114.2630, -5.5527, 7.6623
Hunter-Lab	40.9810, -0.1699, 6.6659

Details

The CIELCh color $48, 7.061, 68.003$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 6.700, 251.894$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 7.226, 68.874$, and $28, 7.050, 66.683$ is the 20% darker color. If you saturate the color by 10%, you get $46, 11.714, 66.937$, and if you desaturate by 10%, it is $50, 2.646, 69.044$.

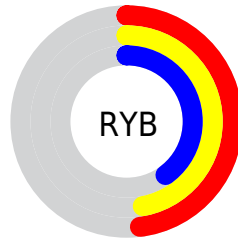
Distribution



Red (48%)

Green (44%)

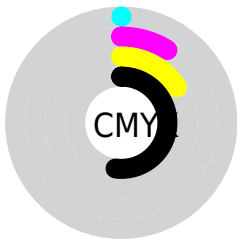
Blue (40%)



Red (48%)

Yellow (47%)

Blue (40%)

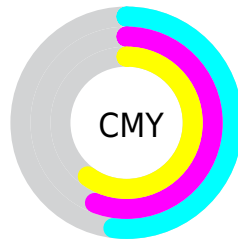


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (52%)



Cyan (52%)

Magenta (56%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 7.061, 68.003 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, 7.061, 68.003 by changing the saturation by 10% instead.

■ 48, 7.061, 68.003 ■ 48, 7.061, 68.003

■ 100, 7.061, 68.003 ■ 38, 7.061, 68.003

■ 68, 7.061, 68.003 ■ 28, 7.061, 68.003

■ 78, 7.061, 68.003 ■ 18, 7.061, 68.003

■ 88, 7.061, 68.003 ■ 8, 7.061, 68.003

■ 98, 7.061, 68.003 ■ 0, 7.061, 68.003

■ 48, 7.061, 68.003 ■ 48, 7.061, 68.003

■ 46, 11.714, 66.937 ■ 50, 2.646, 69.044

■ 44, 16.620, 65.854 ■ 52, 1.553, 250.420

■ 42, 21.783, 64.780 ■ 55, 5.556, 251.354

■ 40, 27.184, 63.713

■ 57, 9.385, 252.374

■ 38, 32.760, 62.633

■ 59, 13.060,
253.377

■ 36, 38.358, 61.476

■ 62, 16.598,
254.351

■ 34, 43.663, 60.101

■ 32, 48.381, 58.447

■ 64, 20.016,
255.291

■ 32, 50.322, 58.058

■ 66, 23.328,
256.194

■ 69, 26.545,
257.060

Harmonies

Complementary

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



48, 7.061, 68.003



47, 6.700, 251.894

Rectangle

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



48, 7.061, 68.003



48, 7.061, 118.003



48, 7.061, 248.003



48, 7.061, 298.003

Sweetspot

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



48, 7.061, 68.017



65, 2.622, 69.144



46, 10.487, 342.299



34, 1.806, 69.094



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 7.061, 68.017



61, 10.928, 67.561



51, 11.015, 106.538



25, 2.390, 68.772



32, 50.926, 58.012



64, 86.996, 55.888

Inverse Universe

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



47, 6.700, 251.894



60, 10.210, 252.512



45, 11.371, 289.854



24, 2.327, 250.962



29, 37.335, 276.961



58, 65.930, 279.718

Previews

White Background



This preview shows how the CIELCh color 48, 7.061, 68.003 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, 7.061, 68.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

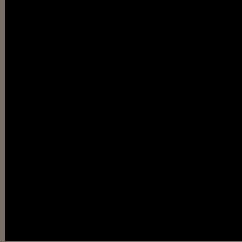
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 7.061, 68.003

Background



This preview shows how black text looks on a background with the CIELCh color 48, 7.061, 68.003.

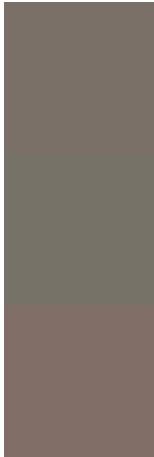


This preview shows how white text looks on a background with the CIELCh color 48, 7.061, 68.003.

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, 7.061, 68.003

Protanopia

48, 6.096, 93.356

Deuteranopia

48, 9.139, 46.792



Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 7.061, 68.003

Protanomaly
48, 6.047, 80.223

Deuteranomaly
48, 8.311, 54.259

Tritanomaly
48, 5.491, 7.677

Monochromacy



Original Color
48, 7.061, 68.003

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 2.402, 66.574

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 48, 7.061, 68.003 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(123, 112, 103)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 103)  
}
```

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(123, 112, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 7.061, 68.003 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(123, 112, 103) }
```

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

```
.border{ border-color:rgb(123, 112, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 112, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 103);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 7.061, 68.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 103) }
```

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

```
.background{ background-color: rgb(123,  
112, 103) }
```

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