

Converting Colors

CIELCh(50, 3.614, 54.424)

Have a look what the booklet for
CIELCh(50, 3.614, 54.424) contains.

CIELCh(50, 3.695, 58.603)	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(50, 3.695, 58.603)

Conversions

Conversions Part 1

Format	Color
Hex	7D7672
RGB	125, 118, 114
RGB Percent	49%, 46%, 45%
CMY	0.5111, 0.5386, 0.5543
CMYK	0.00, 0.06, 0.09, 0.51
HSL	22°, 5%, 47%
HSV	22°, 9%, 49%
XYZ	17.8642, 18.4187, 18.4330
YIQ	119.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

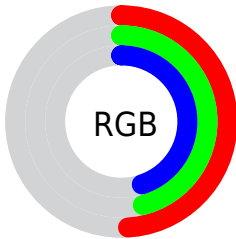
Format	Color
R_{YB}	125, 120, 114
Decimal	8222322
CIE Lab	50.00, 1.92, 3.15
CIE LCh	50, 3.695, 58.603
Yxy	18.4187, 0.3265, 0.3366
Android (android.graphics.Color)	4286412402 (0xFF7D7672)
YUV	119.6370, -2.7790, 4.7034
Hunter-Lab	42.9170, -0.8041, 4.5766

Details

The CIELCh color **50, 3.695, 58.603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 3.559, 240.406**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 3.748, 55.053**, and **30, 3.732, 62.636** is the 20% darker color. If you saturate the color by 10%, you get **47, 8.148, 57.835**, and if you desaturate by 10%, it is **53, 0.484, 240.267**.

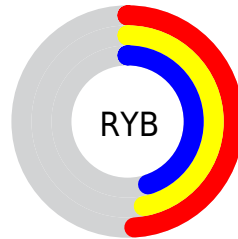
Distribution



Red (49%)

Green (46%)

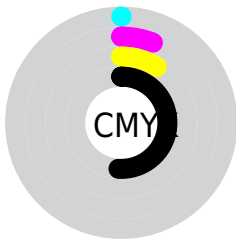
Blue (45%)



Red (49%)

Yellow (47%)

Blue (45%)

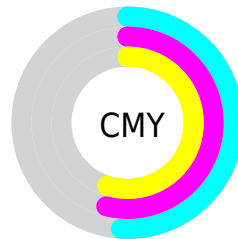


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (51%)



Cyan (51%)












Magenta (54%)




Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 3.695, 58.603 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 50, 3.695, 58.603 by changing the saturation by 10% instead.

 50, 3.695, 58.603	 50, 3.695, 58.603
 100, 3.695, 58.603	 40, 3.695, 58.603
 70, 3.695, 58.603	 30, 3.695, 58.603
 80, 3.695, 58.603	 20, 3.695, 58.603
 90, 3.695, 58.603	 10, 3.695, 58.603
	 0, 3.695, 58.603

 50, 3.695, 58.603	 50, 3.695, 58.603
 47, 8.148, 57.835	 53, 0.484, 240.267
 45, 12.901, 57.043	 55, 4.418, 240.534
 43, 17.976, 56.294	 58, 8.134, 241.375

■ 40, 23.382, 55.602

■ 60, 11.656,
242.230

■ 38, 29.102, 54.971

■ 63, 15.010,
243.076

■ 36, 35.070, 54.378

■ 34, 41.116, 53.749

■ 66, 18.214,
243.905

■ 32, 46.873, 52.897

■ 68, 21.287,
244.711

■ 30, 52.188, 51.969

■ 71, 24.244,
245.493

■ 74, 27.099,
246.248

Harmonies

Complementary

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



50, 3.695, 58.603



50, 3.559, 240.406

Rectangle

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



50, 3.695, 58.603



50, 3.695, 108.603



50, 3.695, 238.603



50, 3.695, 288.603

Sweetspot

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



50, 3.695, 58.629



66, 1.536, 58.951



49, 6.126, 336.944



34, 1.162, 58.939



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 3.695, 58.629



64, 5.792, 58.440



52, 5.449, 102.317



24, 2.327, 58.611



30, 52.922, 51.901



60, 91.220, 50.146

Inverse Universe

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



50, 3.559, 240.406



64, 5.513, 240.645



49, 5.523, 284.229



25, 2.239, 240.427



32, 31.614, 265.163



64, 55.183, 268.123

Previews

White Background



This preview shows how the CIELCh color 50, 3.695, 58.603 looks on a white background.

Color Contrast Check

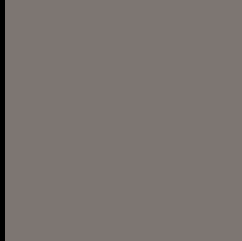
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 3.695, 58.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

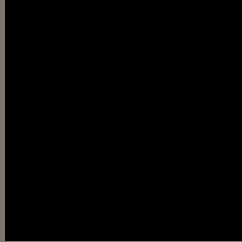
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 3.695, 58.603

Background



This preview shows how black text looks on a background with the CIELCh color 50, 3.695, 58.603.



This preview shows how white text looks on a background with the CIELCh color 50, 3.695, 58.603.

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

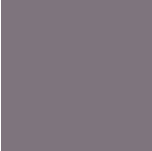
50, 3.695, 58.603

Protanopia

50, 2.839, 74.571

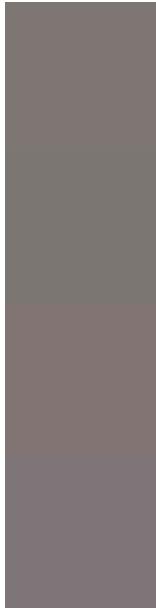
Deuteranopia

50, 7.085, 24.859



Tritanopia
50, 6.639, 327.680

Trichromacy



Original Color

50, 3.695, 58.603

Protanomaly

50, 3.094, 68.293

Deuteranomaly

50, 5.503, 32.128

Tritanomaly

50, 4.338, 347.282

Monochromacy



Original Color

50, 3.695, 58.603

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 1.409, 74.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 3.695, 58.603 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(125, 118, 114)` looks like.

```
.text, #text, p{  
    color:rgb(125, 118, 114)  
}
```

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(125, 118, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 118, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 3.695, 58.603 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(125, 118, 114) }
```

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

```
.border{ border-color:rgb(125, 118, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 118, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 118, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 118, 114);  
box-shadow:4px 4px 4px 4px rgb(125, 118,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 3.695, 58.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 118, 114) }
```

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

```
.background{ background-color: rgb(125,  
118, 114) }
```

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