

Converting Colors

CIELCh(49, 8.777, 111.752)

Have a look what the booklet for
CIELCh(49, 8.777, 111.752) contains.

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Color

CIELCh(49, 8.764, 111.759)

Conversions

Conversions Part 1

Format	Color
Hex	757667
RGB	117, 118, 103
RGB Percent	46%, 46%, 40%
CMY	0.5427, 0.5387, 0.5975
CMYK	0.01, 0.00, 0.13, 0.54
HSL	64°, 7%, 43%
HSV	64°, 13%, 46%
XYZ	16.1476, 17.5941, 15.2787
YIQ	115.9910, 4.2190, -4.8770

Conversions

Conversions Part 2

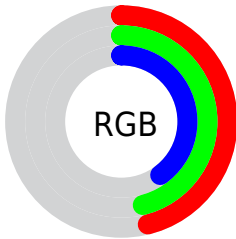
Format	Color
R_{YB}	103, 118, 104
Decimal	7698023
CIE _{Lab}	49.00, -3.25, 8.14
CIE _{LCh}	49, 8.764, 111.759
Yxy	17.5941, 0.3294, 0.3589
Android (android.graphics.Color)	4285888103 (0xFF757667)
YUV	115.9910, -6.4046, 0.8849
Hunter-Lab	41.9453, -4.6874, 7.7652

Details

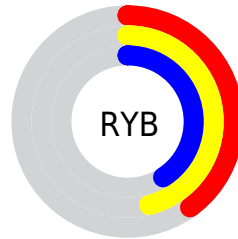
The CIELCh color $49, 8.764, 111.759$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 9.011, 293.945$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 8.750, 111.834$, and $29, 8.941, 111.469$ is the 20% darker color. If you saturate the color by 10%, you get $49, 15.591, 110.939$, and if you desaturate by 10%, it is $49, 1.887, 112.574$.

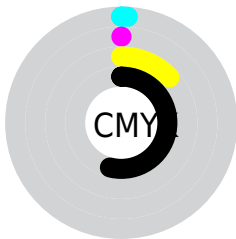
Distribution



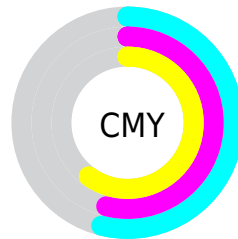
- Red (46%)
- Green (46%)
- Blue (40%)



- Red (40%)
- Yellow (46%)
- Blue (41%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (54%)



- Cyan (54%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.764, 111.759 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 49, 8.764, 111.759 by changing the saturation by 10% instead.

■ 49, 8.764, 111.759

■ 49, 8.764, 111.759

■ 100, 8.764,
111.759

■ 39, 8.764, 111.759

■ 69, 8.764, 111.759

■ 29, 8.764, 111.759

■ 79, 8.764, 111.759

■ 19, 8.764, 111.759

■ 89, 8.764, 111.759

■ 9, 8.764, 111.759

■ 99, 8.764, 111.759

■ 0, 8.764, 111.759

■ 49, 8.764, 111.759

■ 49, 8.764, 111.759

■ 49, 15.591,
110.939

■ 49, 1.887, 112.574

■ 48, 22.315,

■ 50, 5.009, 293.393

110.117

50, 11.901,
294.164

48, 28.863,
109.319

51, 18.772,
294.906

48, 35.123,
108.570

51, 25.609,
295.614

48, 40.928,
107.904

52, 32.402,
296.285

48, 46.045,
107.365

52, 39.145,
296.919

47, 50.186,
107.003

53, 45.830,
297.516

47, 53.084,
106.863

54, 52.453,
298.076

47, 54.880,
106.810

Harmonies

Complementary

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



49, 8.764, 111.759



44, 9.011, 293.945

Rectangle

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



49, 8.764, 111.759



49, 8.764, 161.759



49, 8.764, 291.759



49, 8.764, 341.759

Sweetspot

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



49, 8.765, 111.765



63, 3.412, 112.468



45, 5.940, 25.789



32, 2.411, 112.418



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 8.765, 111.765



63, 12.785, 111.548



48, 9.490, 130.851



24, 3.863, 112.070



49, 56.469, 106.826



94, 95.769, 107.043

Inverse Universe

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



44, 9.011, 293.945



55, 13.218, 294.207



45, 9.629, 311.874



22, 3.943, 293.593



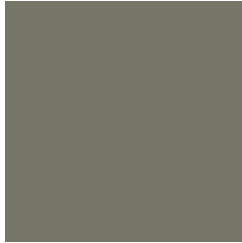
12, 77.325, 306.609



32, 131.468, 306.433

Previews

White Background



This preview shows how the CIELCh color 49, 8.764, 111.759 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 49, 8.764, 111.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

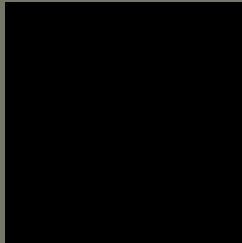
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 8.764, 111.759

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.764, 111.759.



This preview shows how white text looks on a background with the CIELCh color 49, 8.764, 111.759.

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

49, 8.764, 111.759

Protanopia

49, 8.567, 91.752

Deuteranopia

49, 9.793, 48.620



Tritanopia
49, 5.674, 311.263

Trichromacy



Original Color
49, 8.764, 111.759

Protanomaly
49, 8.845, 100.737

Deuteranomaly
49, 7.774, 68.378

Tritanomaly
49, 1.217, 19.240

Monochromacy



Original Color
49, 8.764, 111.759

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.536, 116.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.764, 111.759 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(117, 118, 103)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 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(117, 118, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.764, 111.759 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(117, 118, 103) }
```

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

```
.border{ border-color:rgb(117, 118, 103) }
```

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

Here you see how a box with a 4 pixel rgb(117, 118, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 103);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.764, 111.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 103) }
```

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

```
.background{ background-color: rgb(117,  
118, 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](#).

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