

Converting Colors

CIELCh(49, 6.799, 357.825)

Have a look what the booklet for
CIELCh(49, 6.799, 357.825) contains.

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Color

CIELCh(49, 6.581, 359.347)

Conversions

Conversions Part 1

Format	Color
Hex	807175
RGB	128, 113, 117
RGB Percent	50%, 44%, 46%
CMY	0.4991, 0.5579, 0.5423
CMYK	0.00, 0.12, 0.09, 0.50
HSL	344°, 6%, 47%
HSV	344°, 12%, 50%
XYZ	17.9288, 17.5941, 19.1954
YIQ	117.9410, 7.6560, 4.4240

Conversions

Conversions Part 2

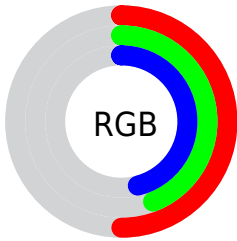
Format	Color
R _Y B	128, 113, 117
Decimal	8417653
CIE Lab	49.00, 6.58, -0.08
CIE LCh	49, 6.581, 359.347
Yxy	17.5941, 0.3277, 0.3215
Android (android.graphics.Color)	4286607733 (0xFF807175)
YUV	117.9410, -0.4639, 8.8217
Hunter-Lab	41.9453, 2.8928, 2.2288

Details

The CIELCh color $49, 6.581, 359.347$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 6.346, 177.332$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 6.503, 0.277$, and $29, 6.809, 358.525$ is the 20% darker color. If you saturate the color by 10%, you get $45, 12.434, 0.461$, and if you desaturate by 10%, it is $53, 0.956, 358.103$.

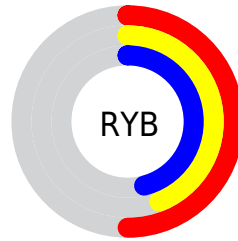
Distribution



Red (50%)

Green (44%)

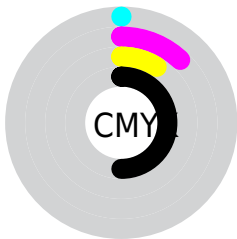
Blue (46%)



Red (50%)

Yellow (44%)

Blue (46%)

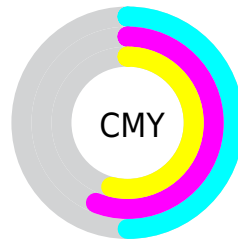


Cyan (0%)

Magenta (12%)

Yellow (9%)

Black (50%)



Cyan (50%)

Magenta (56%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.581, 359.347 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, 6.581, 359.347 by changing the saturation by 10% instead.

■ 49, 6.581, 359.347

■ 49, 6.581, 359.347

■ 100, 6.581,
359.347

■ 39, 6.581, 359.347

■ 69, 6.581, 359.347

■ 29, 6.581, 359.347

■ 79, 6.581, 359.347

■ 19, 6.581, 359.347

■ 89, 6.581, 359.347

■ 9, 6.581, 359.347

■ 99, 6.581, 359.347

■ 0, 6.581, 359.347

■ 49, 6.581, 359.347

■ 49, 6.581, 359.347

■ 45, 12.434, 0.461

■ 53, 0.956, 358.103

■ 42, 18.467, 1.739

■ 57, 4.417, 177.727

38, 24.585, 3.260

61, 9.538, 176.952

35, 30.638, 5.108

64, 14.415,
176.282

32, 36.419, 7.396

68, 19.064,
175.681

30, 41.684, 10.262

28, 46.215, 13.857

72, 23.504,
175.135

27, 49.912, 18.280

76, 27.754,
174.635

26, 52.803, 22.099

80, 31.832,
174.175

84, 35.754,
173.750

Harmonies

Complementary

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



49, 6.581, 359.347



52, 6.346, 177.332

Rectangle

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



49, 6.581, 359.347



49, 6.581, 49.347



49, 6.581, 179.347



49, 6.581, 229.347

Sweetspot

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



49, 6.580, 359.355



66, 2.730, 358.525



49, 9.866, 317.243



34, 1.958, 358.607



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 6.580, 359.355



61, 9.764, 359.629



50, 5.182, 42.954



25, 3.137, 359.079



26, 52.735, 22.089



0, 0.000, 0.000

Inverse Universe

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



49, 6.580, 359.355



61, 9.764, 359.629



51, 4.839, 224.005



25, 3.137, 359.079



26, 52.735, 22.089



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 6.581, 359.347 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, 6.581, 359.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

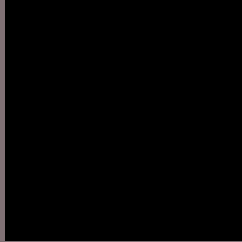
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 6.581, 359.347

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.581, 359.347.



This preview shows how white text looks on a background with the CIELCh color 49, 6.581, 359.347.

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, 6.581, 359.347

Protanopia

49, 1.950, 314.708

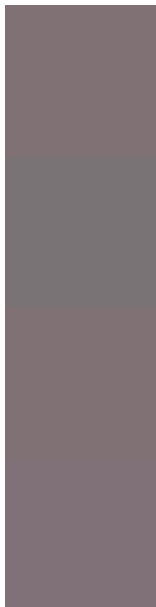
Deuteranopia

49, 6.581, 359.347



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 6.581, 359.347

Protanomaly
49, 3.352, 348.078

Deuteranomaly
49, 6.581, 359.347

Tritanomaly
49, 7.711, 348.198

Monochromacy



Original Color
49, 6.581, 359.347

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 2.710, 354.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.581, 359.347 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(128, 113, 117)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 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(128, 113, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.581, 359.347 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(128, 113, 117) }
```

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

```
.border{ border-color:rgb(128, 113, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 113, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 117);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.581, 359.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 117) }
```

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

```
.background{ background-color: rgb(128,  
113, 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](#).

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