

Converting Colors

CIELCh(49, 5.300, 2.495)

Have a look what the booklet for
CIELCh(49, 5.300, 2.495) contains.

CIELCh(49, 5.616, 1.813)	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(49, 5.616, 1.813)

Conversions

Conversions Part 1

Format	Color
Hex	7E7174
RGB	126, 113, 116
RGB Percent	49%, 44%, 45%
CMY	0.5048, 0.5558, 0.5440
CMYK	0.00, 0.10, 0.08, 0.50
HSL	346°, 5%, 47%
HSV	346°, 10%, 50%
XYZ	17.7480, 17.5941, 19.0660
YIQ	117.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

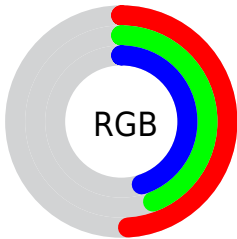
Format	Color
R_{YB}	126, 113, 116
Decimal	8286580
CIE Lab	49.00, 5.61, 0.18
CIE LCh	49, 5.616, 1.813
Yxy	17.5941, 0.3262, 0.3234
Android (android.graphics.Color)	4286476660 (0xFF7E7174)
YUV	117.2290, -0.6059, 7.6922
Hunter-Lab	41.9453, 2.1232, 2.4118

Details

The CIELCh color $49, 5.616, 1.813$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 5.418, 180.113$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 5.605, 2.805$, and $29, 5.750, 0.861$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.320, 2.914$, and if you desaturate by 10%, it is $53, 0.161, 358.761$.

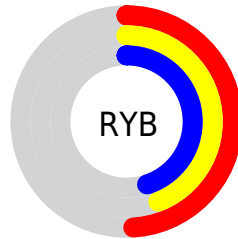
Distribution



Red (49%)

Green (44%)

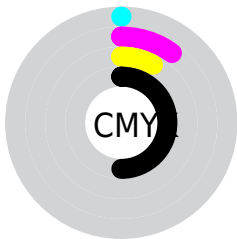
Blue (45%)



Red (49%)

Yellow (44%)

Blue (45%)

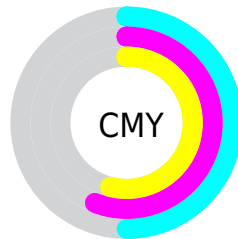


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (50%)



Cyan (50%)





















Magenta (56%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.616, 1.813 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, 5.616, 1.813 by changing the saturation by 10% instead.

 49, 5.616, 1.813	 49, 5.616, 1.813
 100, 5.616, 1.813	 39, 5.616, 1.813
 69, 5.616, 1.813	 29, 5.616, 1.813
 79, 5.616, 1.813	 19, 5.616, 1.813
 89, 5.616, 1.813	 9, 5.616, 1.813
 99, 5.616, 1.813	 0, 5.616, 1.813
 49, 5.616, 1.813	 49, 5.616, 1.813
 45, 11.320, 2.914	 53, 0.161, 358.761
 42, 17.239, 4.172	 57, 5.027, 180.246
 38, 23.293, 5.675	 61, 9.955, 179.504

35, 29.351, 7.508

64, 14.636,
178.860

32, 35.227, 9.781

68, 19.089,
178.284

30, 40.693, 12.630

28, 45.536, 16.196

72, 23.333,
177.762

26, 49.640, 20.567

76, 27.388,
177.286

25, 53.351, 25.055

80, 31.274,
176.849

84, 35.007,
176.446

Harmonies

Complementary

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



49, 5.616, 1.813



52, 5.418, 180.113

Rectangle

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



49, 5.616, 1.813



49, 5.616, 51.813



49, 5.616, 181.813



49, 5.616, 231.813

Sweetspot

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



49, 5.615, 1.823



66, 1.985, 0.997



49, 8.641, 318.214



34, 1.499, 1.103



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 5.615, 1.823



61, 8.107, 2.030



50, 4.423, 46.871



25, 3.089, 1.699



26, 53.746, 25.115



0, 0.000, 0.000

Inverse Universe

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



49, 5.615, 1.823



61, 8.107, 2.030



51, 4.179, 228.134



25, 3.089, 1.699



26, 53.746, 25.115



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 5.616, 1.813 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, 5.616, 1.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

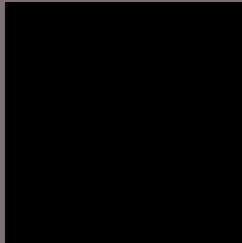
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 5.616, 1.813

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.616, 1.813.



This preview shows how white text looks on a background with the CIELCh color 49, 5.616, 1.813.

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, 5.616, 1.813

Protanopia

49, 1.437, 324.409

Deuteranopia

49, 6.410, 4.263



Tritanopia
49, 8.062, 339.462

Trichromacy



Original Color

49, 5.616, 1.813

Protanomaly

49, 2.714, 354.007

Deuteranomaly

49, 6.011, 3.115

Tritanomaly

49, 7.367, 346.433

Monochromacy



Original Color

49, 5.616, 1.813

Achromatopsia

50, 0.007, 296.813

Achromatomaly

49, 2.118, 3.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 5.616, 1.813 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(126, 113, 116)` looks like.

```
.text, #text, p{  
    color:rgb(126, 113, 116)  
}
```

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(126, 113, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 113, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.616, 1.813 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(126, 113, 116) }
```

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

```
.border{ border-color:rgb(126, 113, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 113, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 113, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 113, 116);  
box-shadow:4px 4px 4px 4px rgb(126, 113,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.616, 1.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 113, 116) }
```

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

```
.background{ background-color: rgb(126,  
113, 116) }
```

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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