Converting Colors

CIELCh(50, 0.004, 296.813)

Have a look what the booklet for CIELCh(50, 0.004, 296.813) contains.

CIELCh(50, 0.007, 296.813) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 19
- ***Color Blindness Simulation*** 22
- ***CSS Examples*** 25

Color

CIELCh(50, 0.007, 296.813)

Conversions

Format	Color
Hex	777777
RGB	119, 119, 119
RGB Percent	47%, 47%, 47%
CMY	0.5337, 0.5337, 0.5337
CMYK	0.00, 0.00, 0.00, 0.53
HSL	136°, 0%, 47%
HSV	136°, 0%, 47%
XYZ	17.5070, 18.4187, 20.0581
YIQ	119.0000, -0.0000, 0.0000

Conversions Part 1

Conversions

Conversions Part 2

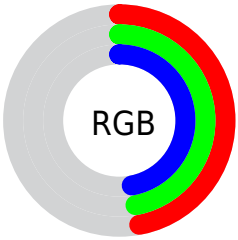
Format	Color
RYB	119, 119, 119
Decimal	7829367
CIELab	50.00, 0.00, -0.01
CIELCh	50, 0.007, 296.813
Yxy	18.4187, 0.3127, 0.3290
Android (android.graphics.Color)	4286019447 (0xFF777777)
YUV	119.0000, 0.0000, 0.0000
Hunter-Lab	42.9170, -2.2898, 2.3315

Details

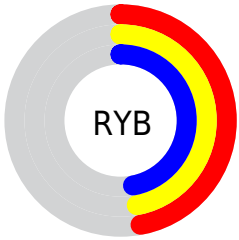
The CIELCh color 50, 0.007, 296.813 is a dark color, and the websafe version is hex 666666. A complement of this color would be 50, 0.008, 302.224, and the grayscale version is 50, 0.007, 296.813.

A 20% lighter version of the original color is 70, 0.009, 296.813, and 30, 0.005, 296.813 is the 20% darker color. If you saturate the color by 10%, you get 49, 7.028, 152.659, and if you desaturate by 10%, it is 51, 6.933, 333.830.

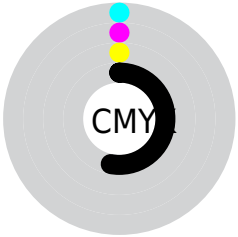
Distribution



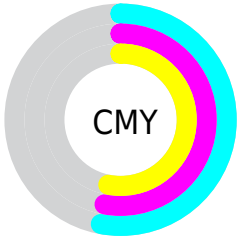
- Red (47%)
- Green (47%)
- Blue (47%)



- Red (47%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (53%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 0.007, 296.813 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 50, 0.007, 296.813 by changing the saturation by 10% instead.

50, 0.007, 296.813

100, 0.007, 296.813

70, 0.007, 296.813

80, 0.007, 296.813

90, 0.007, 296.813

50, 0.007, 296.813

40, 0.007, 296.813

30, 0.007, 296.813

20, 0.007, 296.813

10, 0.007, 296.813

0, 0.007, 296.813

50, 0.007, 296.813

49, 7.028, 152.659

48, 14.102, 151.894

50, 0.007, 296.813

51, 6.933, 333.830

53, 13.717, 334.360

47, 21.141, 151.031

46, 28.048, 150.045

45, 34.706, 148.917

45, 40.992, 147.631

44, 46.778, 146.180

44, 51.948, 144.572

43, 56.408, 142.837

54, 20.326, 334.824

56, 26.743, 335.239

57, 32.960, 335.614

59, 38.975, 335.954

61, 44.791, 336.265

63, 50.414, 336.551

64, 55.851, 336.815

Harmonies

Complementary

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

50, 0.007, 296.813

50, 0.008, 302.224

Rectangle

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

50, 0.007, 296.813

50, 0.007, 346.813

50, 0.007, 116.813

50, 0.007, 166.813

Sweetspot

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

50, 0.006, 289.555

64, 0.008, 296.813

50, 0.005, 295.967

34, 0.005, 296.813

83, 0.010, 296.813

Same Dimension

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

50, 0.006, 289.555

64, 0.008, 296.813

50, 0.006, 289.613

25, 0.004, 296.813

44, 61.606, 141.141

86, 107.172, 140.031

Inverse Universe

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

50, 0.008, 302.224

64, 0.008, 296.813

50, 0.007, 303.228

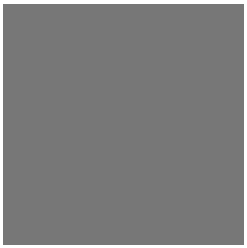
25, 0.004, 296.813

26, 54.867, 342.394

56, 92.107, 343.424

Previews

White Background

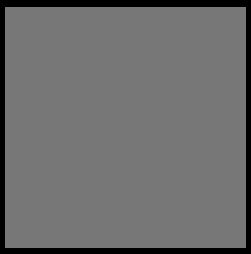


This preview shows how the CIELCh color 50, 0.007, 296.813 looks on a white background.

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



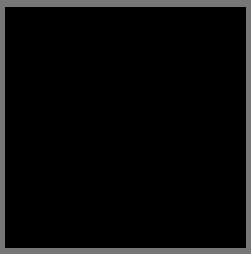
This preview shows how the CIELCh color 50, 0.007, 296.813 looks on a black background.

Color Contrast Check

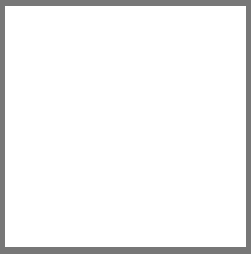
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 50, 0.007, 296.813 Background



This preview shows how black text looks on a background with the CIELCh color 50, 0.007, 296.813.



This preview shows how white text looks on a background with the CIELCh color 50, 0.007, 296.813.

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

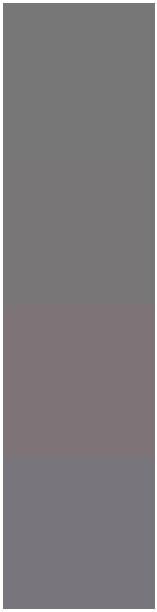
Original Color
50, 0.007, 296.813

Protanopia
50, 1.352, 353.669

Deuteranopia
50, 6.777, 354.699

Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 0.007, 296.813

Protanomaly
50, 1.005, 343.503

Deuteranomaly
50, 4.692, 350.032

Tritanomaly
50, 3.615, 303.288

Monochromacy

Original Color
50, 0.007, 296.813

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 0.007, 296.813 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(119, 119, 119) looks like.

```
.text, #text, p{
    color:rgb(119, 119, 119)
}
```

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(119, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 0.007, 296.813 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(119, 119, 119) }
```

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

```
.border{ border-color:rgb(119, 119, 119) }
```

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

Here you see how a box with a 4 pixel rgb(119, 119, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 119, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 119, 119); box-shadow:4px 4px 4px 4px rgb(119, 119, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 0.007, 296.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(119, 119, 119) }
```

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

```
.background{ background-color:rgb(119,
119, 119) }
```

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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