

Converting Colors

CIELCh(50, 18.012, 98.040)

Have a look what the booklet for
CIELCh(50, 18.012, 98.040) contains.

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Color

CIELCh(50, 17.669, 97.792)

Conversions

Conversions Part 1

Format	Color
Hex	7E7759
RGB	126, 119, 89
RGB Percent	49%, 47%, 35%
CMY	0.5051, 0.5325, 0.6502
CMYK	0.00, 0.06, 0.29, 0.51
HSL	49°, 17%, 42%
HSV	49°, 29%, 49%
XYZ	17.0678, 18.4187, 12.1500
YIQ	117.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

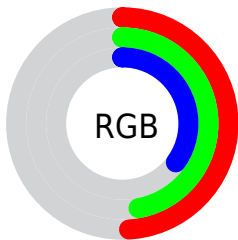
Format	Color
RYB	98, 126, 89
Decimal	8288089
CIELab	50.00, -2.40, 17.51
CIELCh	50, 17.669, 97.792
Yxy	18.4187, 0.3583, 0.3866
Android (android.graphics.Color)	4286478169 (0xFF7E7759)
YUV	117.6730, -14.1358, 7.3028
Hunter-Lab	42.9170, -4.1162, 13.2566

Details

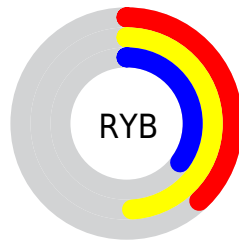
The CIELCh color $50, 17.669, 97.792$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 18.296, 284.934$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 17.705, 97.846$, and $30, 17.805, 98.771$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.689, 96.644$, and if you desaturate by 10%, it is $51, 11.622, 98.928$.

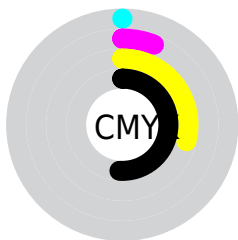
Distribution



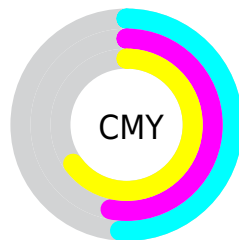
- Red (49%)
- Green (47%)
- Blue (35%)



- Red (38%)
- Yellow (49%)
- Blue (35%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (51%)



- Cyan (51%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 17.669, 97.792 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, 17.669, 97.792 by changing the saturation by 10% instead.

■ 50, 17.669, 97.792

■ 50, 17.669, 97.792

■ 100, 17.669,
97.792

■ 40, 17.669, 97.792

■ 70, 17.669, 97.792

■ 30, 17.669, 97.792

■ 80, 17.669, 97.792

■ 20, 17.669, 97.792

■ 90, 17.669, 97.792

■ 10, 17.669, 97.792

■ 0, 17.669, 97.792

■ 50, 17.669, 97.792

■ 50, 17.669, 97.792

■ 49, 23.689, 96.644

■ 51, 11.622, 98.928

■ 48, 29.606, 95.476

■ 52, 5.588, 100.024

■ 47, 35.299, 94.298

■ 53, 0.409, 281.380

47, 40.567, 93.113

54, 6.357, 282.169

46, 45.104, 91.912

55, 12.249,
283.155

45, 48.509, 90.670

56, 18.083,
284.103

44, 50.964, 89.401

44, 51.143, 89.319

57, 23.857,
285.007

58, 29.574,
285.867

60, 35.233,
286.681

Harmonies

Complementary

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



50, 17.669, 97.792



41, 18.296, 284.934

Rectangle

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



50, 17.669, 97.792



50, 17.669, 147.792



50, 17.669, 277.792



50, 17.669, 327.792

Sweetspot

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



50, 17.670, 97.797



66, 6.654, 100.037



42, 16.523, 6.327



34, 4.603, 99.906



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, 17.670, 97.797



63, 26.025, 97.051



51, 21.778, 120.169



26, 3.405, 100.048



45, 51.515, 89.304



0, 0.000, 0.000

Inverse Universe

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



41, 18.296, 284.934



50, 27.215, 286.047



40, 23.033, 303.693



25, 3.445, 282.094



17, 68.923, 301.964



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 17.669, 97.792 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 50, 17.669, 97.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

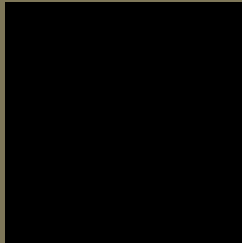
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 17.669, 97.792

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.669, 97.792.



This preview shows how white text looks on a background with the CIELCh color 50, 17.669, 97.792.

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, 17.669, 97.792

Protanopia

50, 17.755, 96.381

Deuteranopia

50, 18.366, 69.031



Tritanopia
50, 8.027, 339.443

Trichromacy



Original Color
50, 17.669, 97.792

Protanomaly
50, 17.755, 96.381

Deuteranomaly
50, 17.429, 79.129

Tritanomaly
50, 6.110, 54.594

Monochromacy



Original Color
50, 17.669, 97.792

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.958, 97.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.669, 97.792 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, 119, 89)` looks like.

```
.text, #text, p{  
    color:rgb(126, 119, 89)  
}
```

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, 119, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 119, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.669, 97.792 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, 119, 89) }
```

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

```
.border{ border-color:rgb(126, 119, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 119, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 119, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 119, 89);  
box-shadow:4px 4px 4px 4px rgb(126, 119,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.669, 97.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 119, 89) }
```

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

```
.background{ background-color: rgb(126,  
119, 89) }
```

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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