

Converting Colors

CIELCh(50, 16.786, 29.789)

Have a look what the booklet for
CIELCh(50, 16.786, 29.789) contains.

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Color

CIELCh(50, 16.747, 31.174)

Conversions

Conversions Part 1

Format	Color
Hex	946E69
RGB	148, 110, 105
RGB Percent	58%, 43%, 41%
CMY	0.4202, 0.5692, 0.5888
CMYK	0.00, 0.26, 0.29, 0.42
HSL	7°, 17%, 50%
HSV	7°, 29%, 58%
XYZ	20.2871, 18.4187, 15.8117
YIQ	120.7920, 24.2530, 6.5010

Conversions

Conversions Part 2

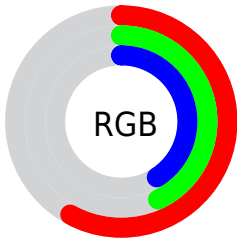
Format	Color
R_{YB}	148, 111, 105
Decimal	9727593
CIE _{Lab}	50.00, 14.33, 8.67
CIE _{LCh}	50, 16.747, 31.174
Yxy	18.4187, 0.3721, 0.3378
Android (android.graphics.Color)	4287917673 (0xFF946E69)
YUV	120.7920, -7.7855, 23.8614
Hunter-Lab	42.9170, 9.2734, 8.1979

Details

The CIELCh color **50, 16.747, 31.174** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **57, 13.709, 210.295**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 16.745, 31.963**, and **30, 16.701, 30.829** is the 20% darker color. If you saturate the color by 10%, you get **46, 23.418, 31.861**, and if you desaturate by 10%, it is **54, 10.550, 30.701**.

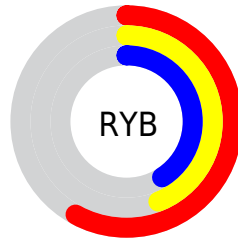
Distribution



Red (58%)

Green (43%)

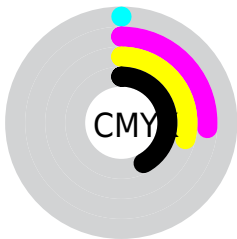
Blue (41%)



Red (58%)

Yellow (44%)

Blue (41%)

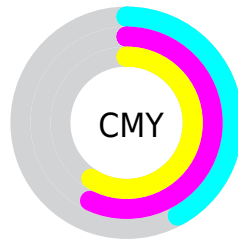


Cyan (0%)

Magenta (26%)

Yellow (29%)

Black (42%)



Cyan (42%)

Magenta (57%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 16.747, 31.174 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, 16.747, 31.174 by changing the saturation by 10% instead.

■ 50, 16.747, 31.174

■ 50, 16.747, 31.174

■ 100, 16.747,
31.174

■ 40, 16.747, 31.174

■ 70, 16.747, 31.174

■ 30, 16.747, 31.174

■ 80, 16.747, 31.174

■ 20, 16.747, 31.174

■ 90, 16.747, 31.174

■ 10, 16.747, 31.174

■ 0, 16.747, 31.174

■ 50, 16.747, 31.174

■ 50, 16.747, 31.174

■ 46, 23.418, 31.861

■ 54, 10.550, 30.701

■ 43, 30.549, 32.803

■ 58, 4.821, 30.350

■ 40, 38.072, 34.061

■ 62, 0.472, 211.206

37, 45.850, 35.668

66, 5.366, 210.264

34, 53.628, 37.571

70, 9.902, 210.212

33, 60.877, 39.507

74, 14.120,
210.237

31, 66.825, 41.163

78, 18.059,
210.306

31, 67.326, 41.341

82, 21.753,
210.407

86, 25.231,
210.529

Harmonies

Complementary

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



50, 16.747, 31.174



57, 13.709, 210.295

Rectangle

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



50, 16.747, 31.174



50, 16.747, 81.174



50, 16.747, 211.174



50, 16.747, 261.174

Sweetspot

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



50, 16.746, 31.180



73, 5.899, 30.354



50, 27.865, 328.916



38, 4.154, 30.398



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 16.746, 31.180



61, 25.533, 31.605



56, 16.535, 81.720



29, 3.003, 30.354



29, 63.478, 41.108



1, 2.538, 30.269

Inverse Universe

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



57, 13.709, 210.295



71, 19.828, 210.431



51, 16.015, 269.852



31, 2.834, 210.275



47, 27.966, 216.961



2, 2.538, 210.288

Previews

White Background



This preview shows how the CIELCh color 50, 16.747, 31.174 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 CIE LCh color 50, 16.747, 31.174 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, 16.747, 31.174

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.747, 31.174.

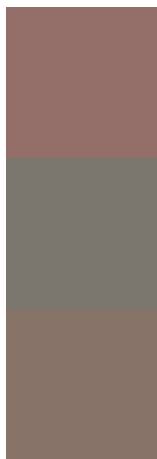


This preview shows how white text looks on a background with the CIELCh color 50, 16.747, 31.174.

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, 16.747, 31.174

Protanopia

50, 5.628, 87.786

Deuteranopia

50, 11.123, 55.133



Tritanopia
50, 17.689, 6.510

Trichromacy



Original Color
50, 16.747, 31.174

Protanomaly
50, 8.596, 52.704

Deuteranomaly
50, 12.842, 44.484

Tritanomaly
50, 16.996, 15.661

Monochromacy



Original Color
50, 16.747, 31.174

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 5.906, 31.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.747, 31.174 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(148, 110, 105)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 105)  
}
```

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(148, 110, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.747, 31.174 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(148, 110, 105) }
```

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

```
.border{ border-color:rgb(148, 110, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 105);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.747, 31.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 105) }
```

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

```
.background{ background-color: rgb(148,  
110, 105) }
```

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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