

Converting Colors

CIELCh(50, 31.699, 1.293)

Have a look what the booklet for
CIELCh(50, 31.699, 1.293) contains.

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Color

CIELCh(50, 31.931, 0.747)

Conversions

Conversions Part 1

Format	Color
Hex	A96177
RGB	169, 97, 119
RGB Percent	66%, 38%, 47%
CMY	0.3359, 0.6184, 0.5321
CMYK	0.00, 0.43, 0.30, 0.34
HSL	342°, 30%, 52%
HSV	342°, 43%, 66%
XYZ	24.0870, 18.4187, 19.8355
YIQ	121.0360, 35.8500, 22.1060

Conversions

Conversions Part 2

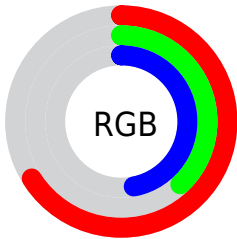
Format	Color
R_{YB}	169, 97, 119
Decimal	11100535
CIE _{Lab}	50.00, 31.93, 0.42
CIE _{LCh}	50, 31.931, 0.747
Yxy	18.4187, 0.3864, 0.2954
Android (android.graphics.Color)	4289290615 (0xFFA96177)
YUV	121.0360, -1.0037, 42.0644
Hunter-Lab	42.9170, 25.0780, 2.6390

Details

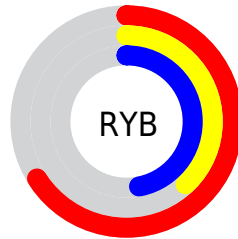
The CIELCh color **50, 31.931, 0.747** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **64, 28.230, 171.224**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 31.931, 0.909**, and **30, 32.070, 0.654** is the 20% darker color. If you saturate the color by 10%, you get **46, 39.455, 2.653**, and if you desaturate by 10%, it is **54, 24.212, 359.186**.

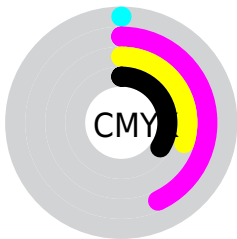
Distribution



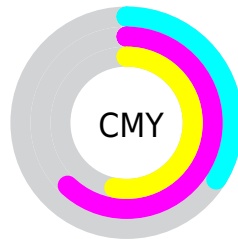
- Red (66%)
- Green (38%)
- Blue (47%)



- Red (66%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (43%)
- Yellow (30%)
- Black (34%)

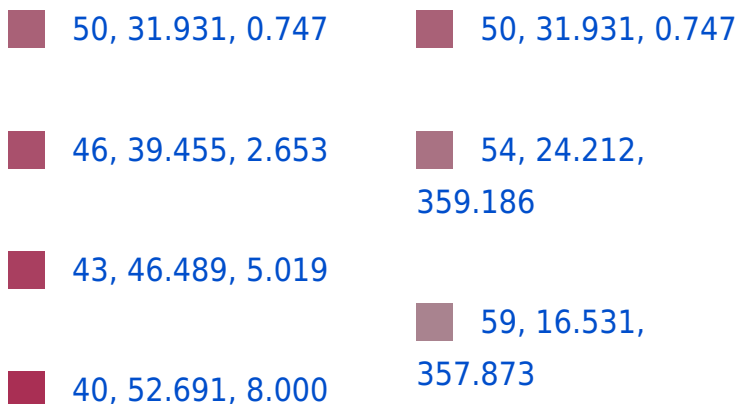
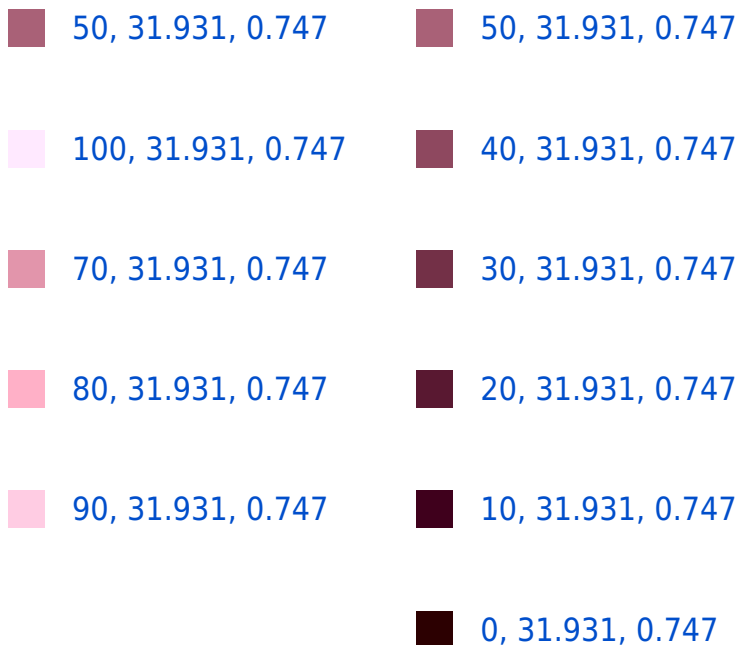


- Cyan (34%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 31.931, 0.747 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, 31.931, 0.747 by changing the saturation by 10% instead.



■ 38, 57.779, 11.762

■ 63, 9.029, 356.738

■ 36, 61.683, 16.419

■ 68, 1.792, 355.582

■ 35, 64.235, 20.220

■ 73, 5.145, 175.046

■ 78, 11.770,
174.240

■ 83, 18.091,
173.544

■ 88, 24.127,
172.917

■ 93, 29.898,
172.347

Harmonies

Complementary

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



50, 31.931, 0.747



64, 28.230, 171.224

Rectangle

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



50, 31.931, 0.747



50, 31.931, 50.747



50, 31.931, 180.747



50, 31.931, 230.747

Sweetspot

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



50, 31.929, 0.749



80, 11.573, 356.813



49, 45.319, 316.990



41, 8.119, 357.045



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 31.929, 0.749



60, 47.281, 2.521



53, 27.596, 37.972



33, 4.030, 356.392



31, 57.958, 19.526



2, 7.067, 358.585

Inverse Universe

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



50, 31.929, 0.749



60, 47.281, 2.521



61, 20.256, 219.594



33, 4.030, 356.392



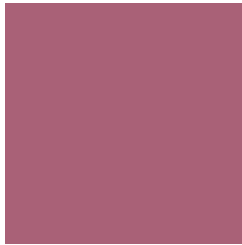
31, 57.958, 19.526



2, 7.067, 358.585

Previews

White Background



This preview shows how the CIELCh color 50, 31.931, 0.747 looks on a white background.

Color Contrast Check

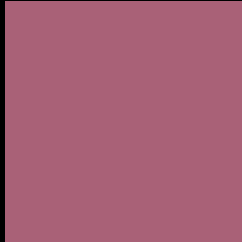
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.931, 0.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

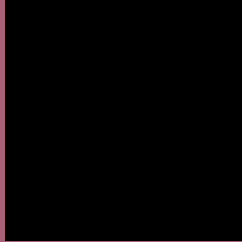
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 31.931, 0.747

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.931, 0.747.



This preview shows how white text looks on a background with the CIELCh color 50, 31.931, 0.747.

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, 31.931, 0.747

Protanopia

50, 7.605, 288.270

Deuteranopia

50, 7.042, 15.448



Tritanopia
50, 29.364, 15.558

Trichromacy



Original Color
50, 31.931, 0.747

Protanomaly
50, 14.008, 339.315

Deuteranomaly
50, 16.030, 4.636

Tritanomaly
50, 29.838, 10.258

Monochromacy



Original Color
50, 31.931, 0.747

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 12.007, 358.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.931, 0.747 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(169, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(169, 97, 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(169, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 97, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.931, 0.747 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(169, 97, 119) }
```

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

```
.border{ border-color:rgb(169, 97, 119) }
```

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

Here you see how a box with a 4 pixel rgb(169, 97, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(169, 97,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.931, 0.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 97, 119) }
```

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

```
.background{ background-color: rgb(169, 97,  
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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