

Converting Colors

CIELCh(49, 31.122, 123.606)

Have a look what the booklet for
CIELCh(49, 31.122, 123.606)
contains.

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Color

CIELCh(49, 31.122, 123.606)

Conversions

Conversions Part 1

Format	Color
Hex	667B47
RGB	102, 123, 71
RGB Percent	40%, 48%, 28%
CMY	0.5982, 0.5158, 0.7199
CMYK	0.17, 0.00, 0.42, 0.52
HSL	84°, 27%, 38%
HSV	84°, 42%, 48%
XYZ	13.8240, 17.5941, 8.7019
YIQ	110.7930, 4.1760, -20.6240

Conversions

Conversions Part 2

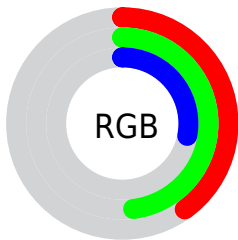
Format	Color
R_{YB}	71, 123, 92
Decimal	6716231
CIE Lab	49.00, -17.23, 25.92
CIE LCh	49, 31.122, 123.606
Yxy	17.5941, 0.3446, 0.4385
Android (android.graphics.Color)	4284906311 (0xFF667B47)
YUV	110.7930, -19.6179, -7.7115
Hunter-Lab	41.9453, -14.5756, 17.0615

Details

The CIELCh color **49, 31.122, 123.606** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **35, 33.441, 308.014**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 31.520, 123.636**, and **29, 31.191, 123.041** is the 20% darker color. If you saturate the color by 10%, you get **48, 38.082, 123.183**, and if you desaturate by 10%, it is **50, 23.896, 124.085**.

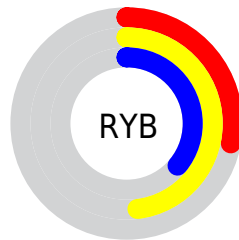
Distribution



Red (40%)

Green (48%)

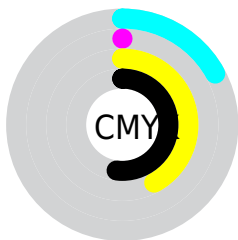
Blue (28%)



Red (28%)

Yellow (48%)

Blue (36%)

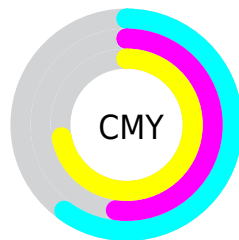


Cyan (17%)

Magenta (0%)

Yellow (42%)

Black (52%)



Cyan (60%)

Magenta (52%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 31.122, 123.606 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, 31.122, 123.606 by changing the saturation by 10% instead.


 49, 31.122,
123.606


 49, 31.122,
123.606

 100, 31.122,
123.606


 39, 31.122,
123.606

 69, 31.122,
123.606


 29, 31.122,
123.606

 79, 31.122,
123.606

 19, 31.122,
123.606

 89, 31.122,
123.606

 9, 31.122, 123.606

 99, 31.122,
123.606

 0, 31.122, 123.606

 49, 31.122,

 49, 31.122,

123.606

123.606

■ 48, 38.082,
123.183

■ 50, 23.896,
124.085

■ 48, 44.609,
122.865

■ 50, 16.517,
124.581

■ 48, 50.472,
122.731

■ 51, 9.064, 125.074

■ 47, 55.384,
122.882

■ 52, 1.593, 125.577

■ 52, 5.857, 305.975

■ 47, 59.054,
123.426

■ 53, 13.257,
306.397

■ 47, 61.493,
123.937

■ 54, 20.587,
306.782

■ 55, 27.831,
307.135

■ 56, 34.979,

Harmonies

Complementary

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



49, 31.122, 123.606



35, 33.441, 308.014

Rectangle

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



49, 31.122, 123.606



49, 31.122, 173.606



49, 31.122, 303.606



49, 31.122, 353.606

Sweetspot

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



49, 31.123, 123.608



65, 12.036, 125.017



42, 19.560, 59.908



34, 8.488, 124.925



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, 31.123, 123.608



62, 46.193, 123.180



47, 35.893, 139.096



25, 4.173, 125.225



47, 62.032, 123.956



90, 105.150, 124.812

Inverse Universe

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



35, 33.441, 308.014



40, 50.670, 308.678



38, 36.124, 323.622



24, 4.237, 306.063



16, 74.773, 310.294



38, 126.668, 309.730

Previews

White Background



This preview shows how the CIELCh color 49, 31.122, 123.606 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, 31.122, 123.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

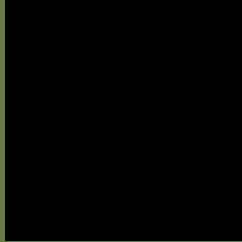
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.122, 123.606

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.122, 123.606.



This preview shows how white text looks on a background with the CIELCh color 49, 31.122, 123.606.

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, 31.122, 123.606

Protanopia

49, 27.589, 95.870

Deuteranopia

49, 25.712, 75.647



Tritanopia
49, 5.881, 263.572

Trichromacy



Original Color
49, 31.122, 123.606

Protanomaly
49, 28.078, 107.334

Deuteranomaly
49, 25.299, 96.357

Tritanomaly
49, 9.110, 141.819

Monochromacy



Original Color
49, 31.122, 123.606

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 11.657, 125.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.122, 123.606 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(102, 123, 71)` looks like.

```
.text, #text, p{  
    color:rgb(102, 123, 71)  
}
```

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(102, 123, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 123, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.122, 123.606 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(102, 123, 71) }
```

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

```
.border{ border-color:rgb(102, 123, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 123, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 123, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 123, 71);  
box-shadow:4px 4px 4px 4px rgb(102, 123,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.122, 123.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 123, 71) }
```

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

```
.background{ background-color: rgb(102,  
123, 71) }
```

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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