

Converting Colors

CIELCh(49, 29.392, 31.919)

Have a look what the booklet for
CIELCh(49, 29.392, 31.919) contains.

CIELCh(49, 29.392, 31.919)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 29.392, 31.919)

Conversions

Conversions Part 1

Format	Color
Hex	A3635B
RGB	163, 99, 91
RGB Percent	64%, 39%, 36%
CMY	0.3590, 0.6102, 0.6416
CMYK	0.00, 0.39, 0.44, 0.36
HSL	7°, 28%, 50%
HSV	7°, 44%, 64%
XYZ	21.5994, 17.5941, 12.2417
YIQ	117.2240, 40.7120, 11.0800

Conversions

Conversions Part 2

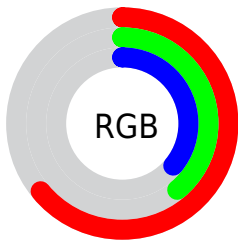
Format	Color
R_{YB}	163, 100, 91
Decimal	10707803
CIE _{Lab}	49.00, 24.95, 15.54
CIE _{LCh}	49, 29.392, 31.919
Yxy	17.5941, 0.4199, 0.3421
Android (android.graphics.Color)	4288897883 (0xFFA3635B)
YUV	117.2240, -12.9284, 40.1456
Hunter-Lab	41.9453, 18.5129, 12.0580

Details

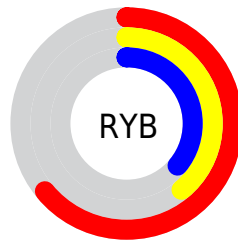
The CIELCh color **49, 29.392, 31.919** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **60, 21.203, 210.076**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 29.271, 32.581**, and **29, 29.241, 32.227** is the 20% darker color. If you saturate the color by 10%, you get **45, 37.394, 33.078**, and if you desaturate by 10%, it is **53, 21.852, 31.072**.

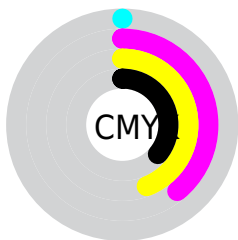
Distribution



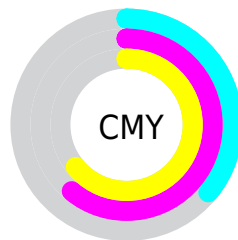
- Red (64%)
- Green (39%)
- Blue (36%)



- Red (64%)
- Yellow (39%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (44%)
- Black (36%)



- Cyan (36%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 29.392, 31.919 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, 29.392, 31.919 by changing the saturation by 10% instead.

■ 49, 29.392, 31.919

■ 49, 29.392, 31.919

■ 100, 29.392,
31.919

■ 39, 29.392, 31.919

■ 69, 29.392, 31.919

■ 29, 29.392, 31.919

■ 79, 29.392, 31.919

■ 19, 29.392, 31.919

■ 89, 29.392, 31.919

■ 9, 29.392, 31.919

■ 99, 29.392, 31.919

■ 0, 29.392, 31.919

■ 49, 29.392, 31.919

■ 49, 29.392, 31.919

■ 45, 37.394, 33.078

■ 53, 21.852, 31.072

■ 42, 45.751, 34.585

■ 57, 14.829, 30.462

39, 54.244, 36.443

61, 8.326, 30.029

37, 62.454, 38.501

65, 2.320, 29.620

35, 69.476, 40.256

70, 3.225, 209.826

35, 73.081, 41.411

74, 8.355, 209.669

79, 13.114,
209.646

83, 17.547,
209.680

87, 21.692,
209.752

Harmonies

Complementary

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



49, 29.392, 31.919



60, 21.203, 210.076

Rectangle

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



49, 29.392, 31.919



49, 29.392, 81.919



49, 29.392, 211.919



49, 29.392, 261.919

Sweetspot

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



49, 29.390, 31.923



78, 9.449, 29.998



49, 45.255, 329.792



40, 6.723, 30.077



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 29.390, 31.923



58, 45.204, 33.062



58, 27.797, 79.654



32, 3.274, 29.856



30, 66.482, 41.180



2, 4.967, 28.680

Inverse Universe

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



60, 21.203, 210.076



75, 29.832, 210.551



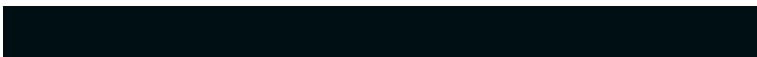
50, 26.469, 273.135



34, 3.087, 209.729



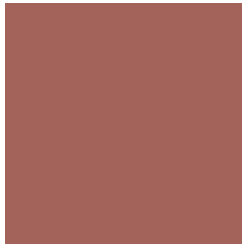
49, 29.170, 216.052



4, 4.803, 213.111

Previews

White Background



This preview shows how the CIELCh color 49, 29.392, 31.919 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 CIE LCh color 49, 29.392, 31.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

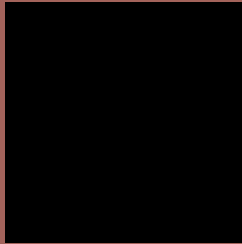
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 29.392, 31.919

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.392, 31.919.

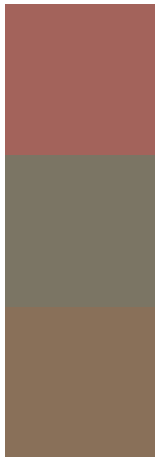


This preview shows how white text looks on a background with the CIELCh color 49, 29.392, 31.919.

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, 29.392, 31.919

Protanopia

49, 10.243, 94.329

Deuteranopia

49, 17.663, 69.031



Tritanopia
49, 29.485, 14.557

Trichromacy



Original Color
49, 29.392, 31.919

Protanomaly
49, 14.531, 54.443

Deuteranomaly
49, 20.850, 49.259

Tritanomaly
49, 28.880, 20.989

Monochromacy



Original Color
49, 29.392, 31.919

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.344, 30.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.392, 31.919 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(163, 99, 91)` looks like.

```
.text, #text, p{  
    color:rgb(163, 99, 91)  
}
```

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(163, 99, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 99, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.392, 31.919 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(163, 99, 91) }
```

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

```
.border{ border-color:rgb(163, 99, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 99, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 99, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 99, 91);  
box-shadow:4px 4px 4px 4px rgb(163, 99,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.392, 31.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 99, 91) }
```

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

```
.background{ background-color: rgb(163, 99,  
91) }
```

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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