

Converting Colors

CIELCh(19, 48.230, 31.414)

Have a look what the booklet for
CIELCh(19, 48.230, 31.414) contains.

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Color

CIELCh(19, 48.072, 31.817)

Conversions

Conversions Part 1

Format	Color
Hex	650009
RGB	101, 0, 9
RGB Percent	40%, 0%, 4%
CMY	0.6058, 1.0000, 0.9630
CMYK	0.00, 1.00, 0.91, 0.61
HSL	354°, 100%, 20%
HSV	354°, 100%, 39%
XYZ	5.3576, 2.7468, 0.5184
YIQ	31.2250, 57.3070, 24.2110

Conversions

Conversions Part 2

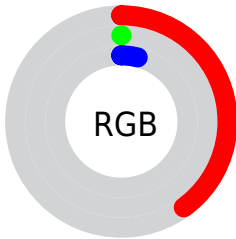
Format	Color
R_YB	101, 0, 9
Decimal	6619145
CIE Lab	19.00, 40.85, 25.34
CIE LCh	19, 48.072, 31.817
Yxy	2.7468, 0.6213, 0.3186
Android (android.graphics.Color)	4284809225 (0xFF650009)
YUV	31.2250, -10.9569, 61.1927
Hunter-Lab	16.5735, 28.6982, 9.7470

Details

The CIELCh color **19, 48.072, 31.817** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 27.449, 183.759**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 48.468, 31.865**, and **6, 25.161, 19.052** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.975, 31.974**, and if you desaturate by 10%, it is **20, 44.230, 29.742**.

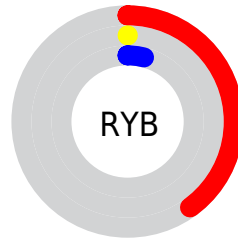
Distribution



Red (40%)

Green (0%)

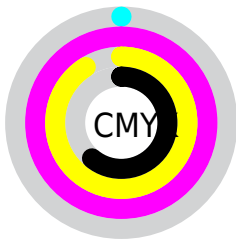
Blue (4%)



Red (40%)

Yellow (0%)

Blue (4%)

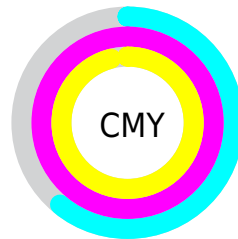


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 48.072, 31.817 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 19, 48.072, 31.817 by changing the saturation by 10% instead.

■ 19, 48.072, 31.817

■ 19, 48.072, 31.817

■ 100, 48.072,
31.817

■ 9, 48.072, 31.817

■ 39, 48.072, 31.817

■ 0, 48.072, 31.817

■ 49, 48.072, 31.817

■ 59, 48.072, 31.817

■ 69, 48.072, 31.817

■ 79, 48.072, 31.817

■ 89, 48.072, 31.817

■ 99, 48.072, 31.817

■ 19, 48.072, 31.817

■ 19, 48.072, 31.817

■ 19, 47.975, 31.974

■ 20, 44.230, 29.742

■ 21, 39.697, 25.838

■ 23, 34.740, 22.485

■ 25, 29.524, 19.758

■ 28, 24.209, 17.582

■ 30, 18.941, 15.848

■ 33, 13.834, 14.455

■ 36, 8.956, 13.319

■ 39, 4.342, 12.357

Harmonies

Complementary

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



19, 48.072, 31.817



38, 27.449, 183.759

Rectangle

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



19, 48.072, 31.817



19, 48.072, 81.817



19, 48.072, 211.817



19, 48.072, 261.817

Sweetspot

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



19, 47.975, 31.974



43, 17.138, 14.563



21, 58.726, 324.567



20, 11.882, 14.958



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 47.975, 31.974



26, 59.342, 34.634



25, 43.208, 54.350



19, 2.459, 12.259



22, 53.585, 33.545



51, 96.583, 36.884

Inverse Universe

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



19, 47.975, 31.974



26, 59.342, 34.634



24, 28.459, 269.144



19, 2.459, 12.259



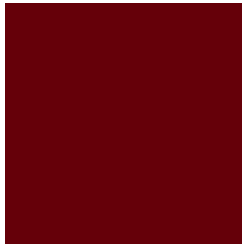
22, 53.585, 33.545



51, 96.583, 36.884

Previews

White Background



This preview shows how the CIE LCh color 19, 48.072, 31.817 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

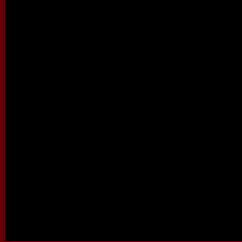
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 48.072, 31.817

Background



This preview shows how black text looks on a background with the CIELCh color 19, 48.072, 31.817.



This preview shows how white text looks on a background with the CIELCh color 19, 48.072, 31.817.

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

19, 48.261, 32.233

Protanopia

21, 21.612, 96.382

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 48.327, 38.235

Trichromacy



Original Color
19, 48.261, 32.233

Protanomaly
18, 26.923, 47.889

Deuteranomaly
18, 32.593, 52.244

Tritanomaly
19, 48.095, 36.208

Monochromacy



Original Color
19, 48.261, 32.233

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.460, 20.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 48.072, 31.817 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(101, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 9)  
}
```

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(101, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 48.072, 31.817 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(101, 0, 9) }
```

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

```
.border{ border-color:rgb(101, 0, 9) }
```

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

Here you see how a box with a 4 pixel rgb(101, 0, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(101, 0, 9); box-shadow:4px  
4px 4px 4px rgb(101, 0, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 48.072, 31.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 9) }
```

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

```
.background{ background-color: rgb(101, 0,  
9) }
```

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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