

Converting Colors

CIELCh(19, 47.447, 31.598)

Have a look what the booklet for
CIELCh(19, 47.447, 31.598) contains.

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Color

CIELCh(19, 47.291, 31.487)

Conversions

Conversions Part 1

Format	Color
Hex	64010B
RGB	100, 1, 11
RGB Percent	39%, 0%, 4%
CMY	0.6082, 0.9965, 0.9573
CMYK	0.00, 0.99, 0.89, 0.61
HSL	354°, 98%, 20%
HSV	354°, 99%, 39%
XYZ	5.3140, 2.7468, 0.5634
YIQ	31.7410, 55.7940, 24.0980

Conversions

Conversions Part 2

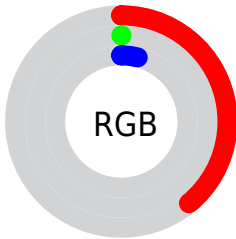
Format	Color
RYB	100, 1, 11
Decimal	6553867
CIELab	19.00, 40.33, 24.70
CIELCh	19, 47.291, 31.487
Yxy	2.7468, 0.6162, 0.3185
Android (android.graphics.Color)	4284743947 (0xFF64010B)
YUV	31.7410, -10.2253, 59.8631
Hunter-Lab	16.5735, 28.2293, 9.5860

Details

The CIELCh color **19, 47.291, 31.487** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **38, 27.436, 182.964**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 47.037, 31.694**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 47.596, 31.588**, and if you desaturate by 10%, it is **20, 43.465, 28.881**.

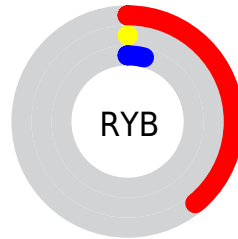
Distribution



Red (39%)

Green (0%)

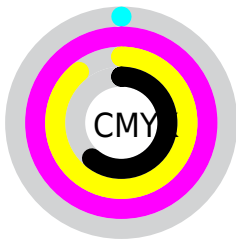
Blue (4%)



Red (39%)

Yellow (0%)

Blue (4%)

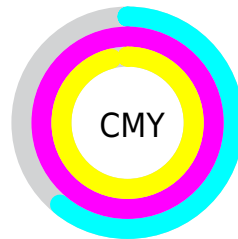


Cyan (0%)

Magenta (99%)

Yellow (89%)

Black (61%)



Cyan (61%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.291, 31.487 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, 47.291, 31.487 by changing the saturation by 10% instead.

 19, 47.291, 31.487

 19, 47.291, 31.487

 100, 47.291,
31.487

 9, 47.291, 31.487

 39, 47.291, 31.487

 0, 47.291, 31.487

 49, 47.291, 31.487

 59, 47.291, 31.487

 69, 47.291, 31.487

 79, 47.291, 31.487

 89, 47.291, 31.487

 99, 47.291, 31.487

■ 19, 47.291, 31.487

■ 19, 47.291, 31.487

■ 19, 47.596, 31.588

■ 20, 43.465, 28.881

■ 21, 38.944, 24.969

■ 23, 34.026, 21.667

■ 25, 28.855, 18.993

■ 28, 23.591, 16.858

■ 30, 18.377, 15.155

■ 33, 13.323, 13.782

■ 36, 8.496, 12.657

■ 39, 3.928, 11.696

Harmonies

Complementary

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



19, 47.291, 31.487



38, 27.436, 182.964

Rectangle

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



19, 47.291, 31.487



19, 47.291, 81.487



19, 47.291, 211.487



19, 47.291, 261.487

Sweetspot

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



19, 47.289, 31.489



43, 17.141, 14.005



20, 58.300, 323.980



20, 11.881, 14.402



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, 47.289, 31.489



26, 59.111, 34.276



24, 42.874, 53.185



19, 2.462, 11.681



22, 53.406, 33.218



51, 96.190, 36.548

Inverse Universe

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



19, 47.289, 31.489



26, 59.111, 34.276



25, 27.263, 266.365



19, 2.462, 11.681



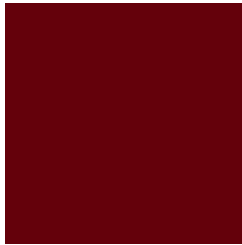
22, 53.406, 33.218



51, 96.190, 36.548

Previews

White Background



This preview shows how the CIE LCh color 19, 47.291, 31.487 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, 47.291, 31.487

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.291, 31.487.



This preview shows how white text looks on a background with the CIELCh color 19, 47.291, 31.487.

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, 47.291, 31.487

Protanopia

21, 20.368, 97.722

Deuteranopia

21, 29.560, 85.805



Tritanopia
19, 47.877, 38.159

Trichromacy



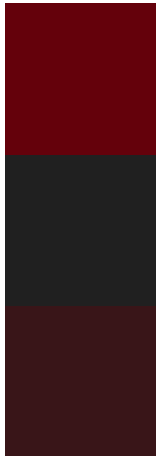
Original Color
19, 47.291, 31.487

Protanomaly
18, 25.507, 47.939

Deuteranomaly
18, 32.308, 51.753

Tritanomaly
19, 47.442, 35.693

Monochromacy



Original Color
19, 47.291, 31.487

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.381, 20.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.291, 31.487 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(100, 1, 11)` looks like.

```
.text, #text, p{  
    color:rgb(100, 1, 11)  
}
```

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(100, 1, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 1, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.291, 31.487 is called "border". The border property can be set on classes, ids or directly on the HTML element.

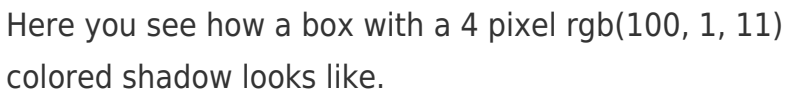
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 1, 11) }
```

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

```
.border{ border-color:rgb(100, 1, 11) }
```

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



Here you see how a box with a 4 pixel rgb(100, 1, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 1, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 1, 11);  
box-shadow:4px 4px 4px 4px rgb(100, 1, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.291, 31.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 1, 11) }
```

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

```
.background{ background-color: rgb(100, 1,  
11) }
```

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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