

Converting Colors

CIELCh(19, 38.794, 31.681)

Have a look what the booklet for
CIELCh(19, 38.794, 31.681) contains.

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Color

CIELCh(19, 38.962, 31.891)

Conversions

Conversions Part 1

Format	Color
Hex	5C1212
RGB	92, 18, 18
RGB Percent	36%, 7%, 7%
CMY	0.6394, 0.9296, 0.9296
CMYK	0.00, 0.80, 0.80, 0.64
HSL	360°, 67%, 22%
HSV	360°, 80%, 36%
XYZ	4.7324, 2.7468, 0.8512
YIQ	40.1260, 44.1040, 15.6880

Conversions

Conversions Part 2

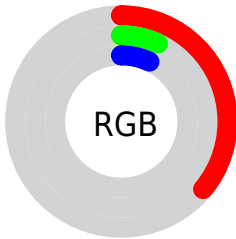
Format	Color
R_{YB}	92, 18, 18
Decimal	6033938
CIE Lab	19.00, 33.08, 20.58
CIE LCh	19, 38.962, 31.891
Yxy	2.7468, 0.5681, 0.3297
Android (android.graphics.Color)	4284224018 (0xFF5C1212)
YUV	40.1260, -10.9081, 45.4935
Hunter-Lab	16.5735, 21.9647, 8.5565

Details

The CIELCh color **19, 38.962, 31.891** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 22.056, 196.584**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 39.068, 32.404**, and **4, 20.959, 18.495** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.885, 33.598**, and if you desaturate by 10%, it is **21, 33.828, 28.969**.

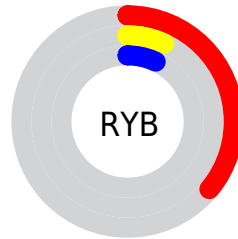
Distribution



Red (36%)

Green (7%)

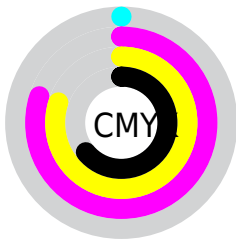
Blue (7%)



Red (36%)

Yellow (7%)

Blue (7%)

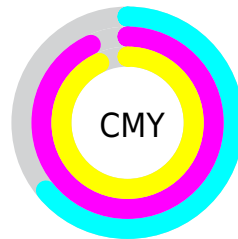


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (64%)



Cyan (64%)

Magenta (93%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 38.962, 31.891 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, 38.962, 31.891 by changing the saturation by 10% instead.

19, 38.962, 31.891

19, 38.962, 31.891

100, 38.962,
31.891

9, 38.962, 31.891

0, 38.962, 31.891

39, 38.962, 31.891

49, 38.962, 31.891

59, 38.962, 31.891

69, 38.962, 31.891

79, 38.962, 31.891

89, 38.962, 31.891

99, 38.962, 31.891

19, 38.962, 31.891

19, 38.962, 31.891

18, 42.885, 33.598

21, 33.828, 28.969

17, 46.120, 34.479

23, 28.507, 26.467

25, 23.209, 24.472

27, 18.061, 22.908

30, 13.152, 21.686

33, 8.528, 20.725

36, 4.207, 19.943

39, 0.186, 17.733

42, 3.555, 199.047

Harmonies

Complementary

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



19, 38.962, 31.891



35, 22.056, 196.584

Rectangle

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



19, 38.962, 31.891



19, 38.962, 81.891



19, 38.962, 211.891



19, 38.962, 261.891

Sweetspot

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



19, 38.960, 31.893



42, 12.627, 21.110



22, 49.375, 327.337



20, 8.819, 21.345



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 38.960, 31.893



24, 56.746, 37.259



27, 31.789, 64.279



17, 2.233, 19.821



21, 53.759, 36.846



50, 98.983, 39.997

Inverse Universe

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



19, 38.960, 31.893



24, 56.746, 37.259



23, 25.227, 271.439



17, 2.233, 19.821



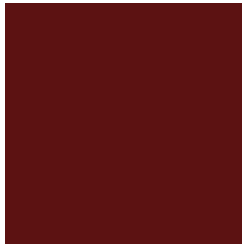
21, 53.759, 36.846



50, 98.983, 39.997

Previews

White Background



This preview shows how the CIE LCh color 19, 38.962, 31.891 looks on a white background.

Color Contrast Check

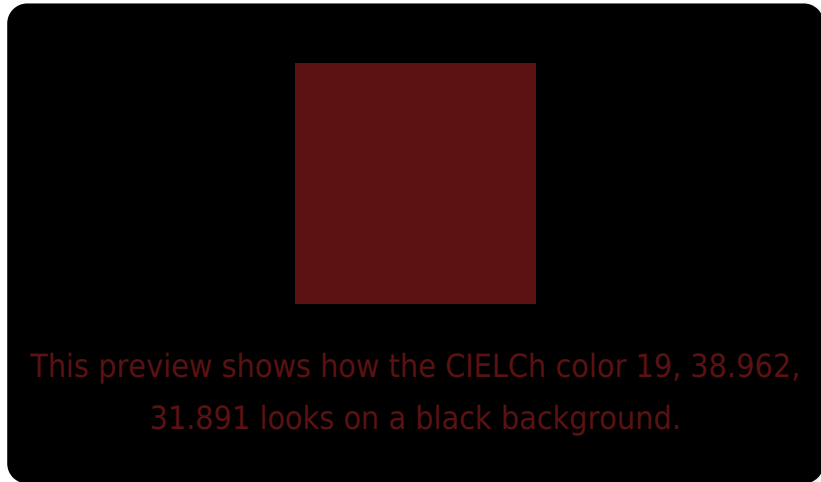
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.962, 31.891

Background



This preview shows how black text looks on a background with the CIELCh color 19, 38.962, 31.891.

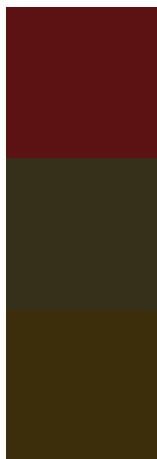


This preview shows how white text looks on a background with the CIELCh color 19, 38.962, 31.891.

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, 38.962, 31.891

Protanopia

20, 14.968, 96.263

Deuteranopia

20, 23.986, 84.027



Tritanopia
19, 38.962, 31.891

Trichromacy



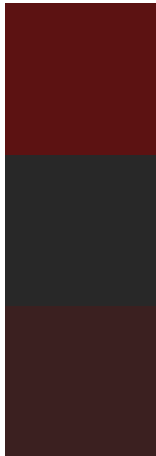
Original Color
19, 38.962, 31.891

Protanomaly
18, 19.793, 50.575

Deuteranomaly
19, 26.161, 55.010

Tritanomaly
19, 38.962, 31.891

Monochromacy



Original Color
19, 38.962, 31.891

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.212, 23.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 38.962, 31.891 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(92, 18, 18)` looks like.

```
.text, #text, p{  
    color:rgb(92, 18, 18)  
}
```

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(92, 18, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 18, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 38.962, 31.891 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(92, 18, 18) }
```

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

```
.border{ border-color:rgb(92, 18, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 18, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 18, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 18, 18);  
box-shadow:4px 4px 4px 4px rgb(92, 18, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 38.962, 31.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 18, 18) }
```

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

```
.background{ background-color: rgb(92, 18,  
18) }
```

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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