

Converting Colors

CIELCh(31, 63.013, 36.142)

Have a look what the booklet for
CIELCh(31, 63.013, 36.142) contains.

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Color

CIELCh(31, 62.815, 35.980)

Conversions

Conversions Part 1

Format	Color
Hex	931011
RGB	147, 16, 17
RGB Percent	58%, 6%, 7%
CMY	0.4225, 0.9356, 0.9326
CMYK	0.00, 0.89, 0.88, 0.42
HSL	360°, 80%, 32%
HSV	360°, 89%, 58%
XYZ	12.3748, 6.6515, 1.1697
YIQ	55.2830, 77.7550, 28.0830

Conversions

Conversions Part 2

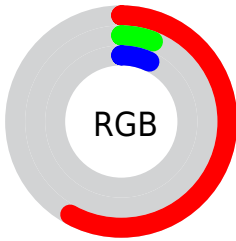
Format	Color
RYB	147, 16, 17
Decimal	9637905
CIELab	31.00, 50.83, 36.90
CIELCh	31, 62.815, 35.980
Yxy	6.6515, 0.6127, 0.3293
Android (android.graphics.Color)	4287827985 (0xFF931011)
YUV	55.2830, -18.8735, 80.4358
Hunter-Lab	25.7905, 40.5145, 15.3642

Details

The CIELCh color **31, 62.815, 35.980** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **55, 32.609, 195.647**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 63.168, 35.869**, and **16, 43.930, 33.595** is the 20% darker color. If you saturate the color by 10%, you get **30, 68.010, 38.830**, and if you desaturate by 10%, it is **33, 56.119, 32.439**.

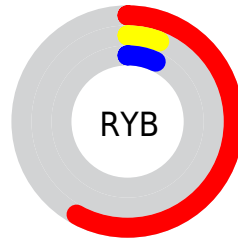
Distribution



Red (58%)

Green (6%)

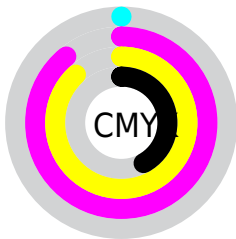
Blue (7%)



Red (58%)

Yellow (6%)

Blue (7%)

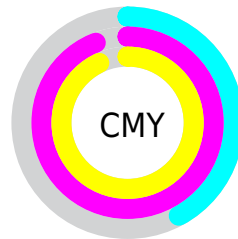


Cyan (0%)

Magenta (89%)

Yellow (88%)

Black (42%)



Cyan (42%)

Magenta (94%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 62.815, 35.980 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 31, 62.815, 35.980 by changing the saturation by 10% instead.

■ 31, 62.815, 35.980

■ 31, 62.815, 35.980

■ 100, 62.815,
35.980

■ 21, 62.815, 35.980

■ 51, 62.815, 35.980

■ 11, 62.815, 35.980

■ 61, 62.815, 35.980

■ 1, 62.815, 35.980

■ 71, 62.815, 35.980

■ 0, 62.815, 35.980

■ 81, 62.815, 35.980

■ 91, 62.815, 35.980

■ 31, 62.815, 35.980

■ 31, 62.815, 35.980

■ 30, 68.010, 38.830

■ 33, 56.119, 32.439

30, 68.576, 39.102

35, 48.652, 29.141

38, 40.882, 26.395

41, 33.102, 24.221

45, 25.530, 22.533

49, 18.313, 21.229

53, 11.531, 20.212

57, 5.213, 19.385

62, 0.648, 199.533

Harmonies

Complementary

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



31, 62.815, 35.980



55, 32.609, 195.647

Rectangle

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



31, 62.815, 35.980



31, 62.815, 85.980



31, 62.815, 215.980



31, 62.815, 265.980

Sweetspot

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



31, 62.813, 35.982



63, 21.106, 21.082



35, 74.199, 327.522



31, 14.493, 21.435



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



31, 62.813, 35.982



40, 83.955, 39.764



41, 51.503, 62.198



29, 3.342, 19.412



28, 64.931, 38.696



1, 2.829, 18.912

Inverse Universe

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



31, 62.813, 35.982



40, 83.955, 39.764



35, 40.633, 276.639



29, 3.342, 19.412



28, 64.931, 38.696



1, 2.829, 18.912

Previews

White Background



This preview shows how the CIELCh color 31, 62.815, 35.980 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



This preview shows how the CIELCh color 31, 62.815, 35.980 looks on a 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 31, 62.815, 35.980

Background



This preview shows how black text looks on a background with the CIELCh color 31, 62.815, 35.980.



This preview shows how white text looks on a background with the CIELCh color 31, 62.815, 35.980.

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

31, 62.815, 35.980

Protanopia

32, 27.765, 95.548

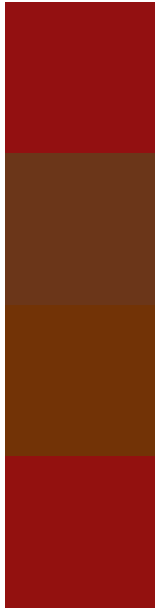
Deuteranopia

32, 40.880, 84.608



Tritanopia
31, 63.784, 37.583

Trichromacy



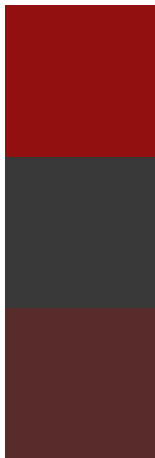
Original Color
31, 62.815, 35.980

Protanomaly
29, 35.134, 53.118

Deuteranomaly
29, 45.428, 56.231

Tritanomaly
31, 63.242, 36.883

Monochromacy



Original Color
31, 62.815, 35.980

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 23.772, 24.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 62.815, 35.980 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(147, 16, 17)` looks like.

```
.text, #text, p{  
    color:rgb(147, 16, 17)  
}
```

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(147, 16, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 16, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 62.815, 35.980 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(147, 16, 17) }
```

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

```
.border{ border-color:rgb(147, 16, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 16, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 16, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 16, 17);  
box-shadow:4px 4px 4px 4px rgb(147, 16,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 62.815, 35.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 16, 17) }
```

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

```
.background{ background-color: rgb(147, 16,  
17) }
```

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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