

Converting Colors

CIELCh(18, 37.714, 31.815)

Have a look what the booklet for
CIELCh(18, 37.714, 31.815) contains.

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Color

CIELCh(18, 37.610, 31.675)

Conversions

Conversions Part 1

Format	Color
Hex	581111
RGB	88, 17, 17
RGB Percent	35%, 7%, 7%
CMY	0.6548, 0.9332, 0.9333
CMYK	0.00, 0.81, 0.81, 0.65
HSL	0°, 68%, 21%
HSV	0°, 81%, 35%
XYZ	4.3289, 2.5180, 0.7890
YIQ	38.2290, 42.3160, 15.0520

Conversions

Conversions Part 2

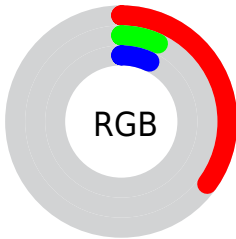
Format	Color
RYB	88, 17, 17
Decimal	5771537
CIELab	18.00, 32.01, 19.75
CIElCh	18, 37.610, 31.675
Yxy	2.5180, 0.5669, 0.3298
Android (android.graphics.Color)	4283961617 (0xFF581111)
YUV	38.2290, -10.4659, 43.6492
Hunter-Lab	15.8683, 20.9253, 8.1598

Details

The CIELCh color **18, 37.610, 31.675** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **34, 21.364, 196.616**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 37.621, 31.756**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **17, 41.298, 33.097**, and if you desaturate by 10%, it is **20, 32.705, 28.918**.

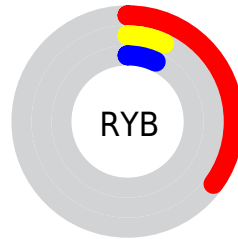
Distribution



Red (35%)

Green (7%)

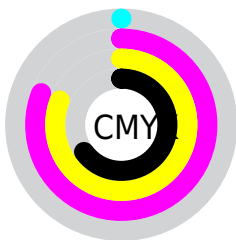
Blue (7%)



Red (35%)

Yellow (7%)

Blue (7%)

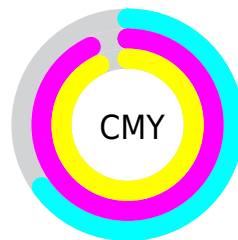


Cyan (0%)

Magenta (81%)

Yellow (81%)

Black (65%)



Cyan (65%)

Magenta (93%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.610, 31.675 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 18, 37.610, 31.675 by changing the saturation by 10% instead.

18, 37.610, 31.675

18, 37.610, 31.675

100, 37.610,
31.675

8, 37.610, 31.675

0, 37.610, 31.675

38, 37.610, 31.675

48, 37.610, 31.675

58, 37.610, 31.675

68, 37.610, 31.675

78, 37.610, 31.675

88, 37.610, 31.675

98, 37.610, 31.675

■ 18, 37.610, 31.675

■ 18, 37.610, 31.675

■ 17, 41.298, 33.097

■ 20, 32.705, 28.918

■ 16, 44.384, 33.793

■ 21, 27.571, 26.444

■ 24, 22.461, 24.468

■ 26, 17.498, 22.917

■ 29, 12.763, 21.704

■ 32, 8.302, 20.748

■ 34, 4.132, 19.970

■ 37, 0.249, 18.230

■ 40, 3.364, 199.079

Harmonies

Complementary

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



18, 37.610, 31.675



34, 21.364, 196.616

Rectangle

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



18, 37.610, 31.675



18, 37.610, 81.675



18, 37.610, 211.675



18, 37.610, 261.675

Sweetspot

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



18, 37.609, 31.678



40, 12.177, 21.116



21, 47.849, 327.883



19, 8.502, 21.341



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 37.609, 31.678



23, 54.684, 36.871



26, 30.708, 65.836



16, 2.127, 19.831



21, 52.680, 36.576



49, 98.180, 40.001

Inverse Universe

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



34, 21.364, 196.616



43, 27.569, 196.428



21, 25.063, 273.190



17, 2.022, 199.071



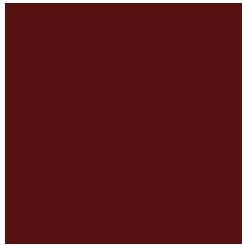
41, 26.463, 196.406



85, 47.042, 196.407

Previews

White Background



This preview shows how the CIELCh color 18, 37.610, 31.675 looks on a white background.

Color Contrast Check

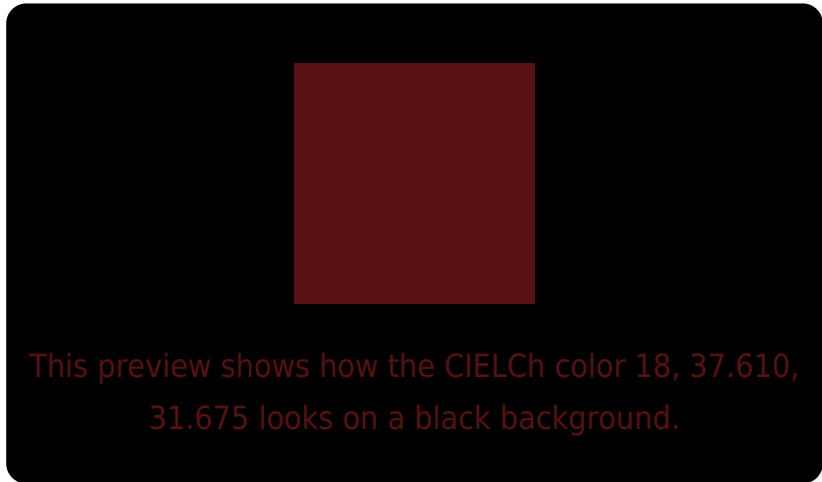
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 37.610, 31.675

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.610, 31.675.

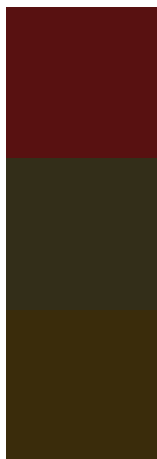


This preview shows how white text looks on a background with the CIELCh color 18, 37.610, 31.675.

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

18, 37.610, 31.675

Protanopia

19, 14.412, 95.849

Deuteranopia

19, 22.695, 84.407



Tritanopia
18, 37.610, 31.675

Trichromacy



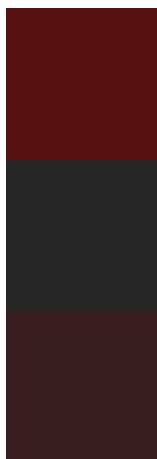
Original Color
18, 37.610, 31.675

Protanomaly
17, 19.060, 49.790

Deuteranomaly
18, 25.306, 54.364

Tritanomaly
18, 37.610, 31.675

Monochromacy



Original Color
18, 37.610, 31.675

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 13.809, 23.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.610, 31.675 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(88, 17, 17)` looks like.

```
.text, #text, p{  
    color:rgb(88, 17, 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(88, 17, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 17, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.610, 31.675 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(88, 17, 17) }
```

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

```
.border{ border-color:rgb(88, 17, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 17, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 17, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 17, 17);  
box-shadow:4px 4px 4px 4px rgb(88, 17, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.610, 31.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 17, 17) }
```

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

```
.background{ background-color: rgb(88, 17,  
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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