

Converting Colors

CIELCh(17, 35.250, 31.018)

Have a look what the booklet for
CIELCh(17, 35.250, 31.018) contains.

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Color

CIELCh(17, 35.250, 31.018)

Conversions

Conversions Part 1

Format	Color
Hex	531111
RGB	83, 17, 17
RGB Percent	33%, 7%, 7%
CMY	0.6734, 0.9322, 0.9324
CMYK	0.00, 0.79, 0.79, 0.67
HSL	0°, 66%, 20%
HSV	0°, 79%, 33%
XYZ	3.8996, 2.3023, 0.7792
YIQ	36.7340, 39.3360, 13.9920

Conversions

Conversions Part 2

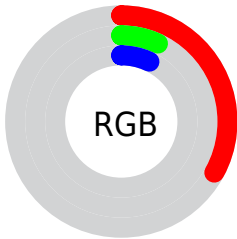
Format	Color
RYB	83, 17, 17
Decimal	5443857
CIELab	17.00, 30.21, 18.16
CIElCh	17, 35.250, 31.018
Yxy	2.3023, 0.5586, 0.3298
Android (android.graphics.Color)	4283633937 (0xFF531111)
YUV	36.7340, -9.7289, 40.5753
Hunter-Lab	15.1734, 19.3217, 7.5765

Details

The CIELCh color **17, 35.250, 31.018** is a dark color, and the **websafe** version is hex **330000**. A complement of this color would be **32, 20.329, 196.692**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 35.148, 30.992**, and **3, 11.872, 17.458** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.845, 32.274**, and if you desaturate by 10%, it is **19, 30.536, 28.424**.

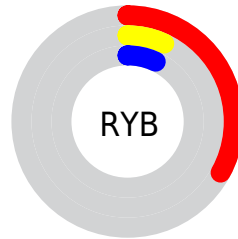
Distribution



Red (33%)

Green (7%)

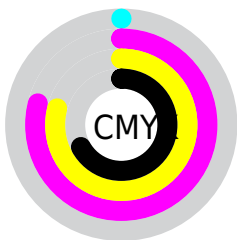
Blue (7%)



Red (33%)

Yellow (7%)

Blue (7%)

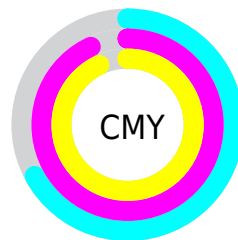


Cyan (0%)

Magenta (79%)

Yellow (79%)

Black (67%)



Cyan (67%)

Magenta (93%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 35.250, 31.018 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 17, 35.250, 31.018 by changing the saturation by 10% instead.

■ 17, 35.250, 31.018
■ 27, 35.250, 31.018
■ 37, 35.250, 31.018
■ 47, 35.250, 31.018
■ 57, 35.250, 31.018
■ 67, 35.250, 31.018
■ 77, 35.250, 31.018
■ 87, 35.250, 31.018
■ 97, 35.250, 31.018
■ 100, 35.250, 31.018

■ 17, 35.250, 31.018
■ 7, 35.250, 31.018
■ 0, 35.250, 31.018

■ 17, 35.250, 31.018
■ 16, 38.845, 32.274
■ 15, 42.025, 32.836
■ 15, 42.256, 32.860

■ 17, 35.250, 31.018
■ 19, 30.536, 28.424
■ 20, 25.626, 26.068
■ 23, 20.764, 24.192
■ 25, 16.057, 22.719
■ 28, 11.577, 21.564

■ 30, 7.361, 20.650

■ 33, 3.420, 19.896

■ 36, 0.250, 200.592

■ 38, 3.667, 199.048

Harmonies

Complementary

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



17, 35.250, 31.018



32, 20.329, 196.692

Rectangle

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



17, 35.250, 31.018



17, 35.250, 81.018



17, 35.250, 211.018



17, 35.250, 261.018

Sweetspot

The sweet spot groups the original color and five complimentary colors.



17, 35.249, 31.021



37, 11.494, 21.128



20, 45.380, 327.836



17, 7.860, 21.322



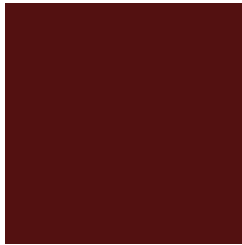
74, 0.009, 296.813



22, 0.004, 296.813

Previews

White Background



This preview shows how the CIE LCh color 17, 35.250, 31.018 looks on a white background.

Color Contrast Check

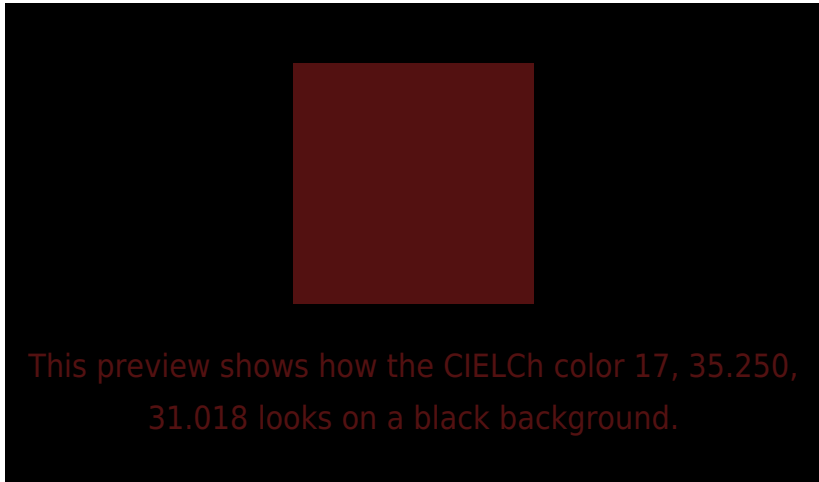
Large Text (above 18pt) WCAG AA ✓ Pass

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

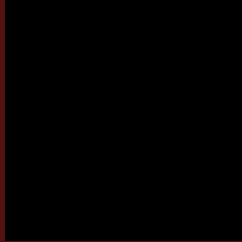
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 35.250, 31.018

Background



This preview shows how black text looks on a background with the CIELCh color 17, 35.250, 31.018.

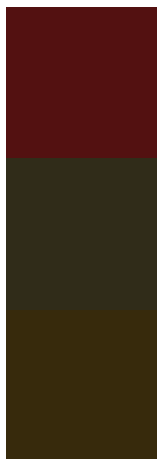


This preview shows how white text looks on a background with the CIELCh color 17, 35.250, 31.018.

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

17, 35.250, 31.018

Protanopia

18, 13.097, 97.375

Deuteranopia

18, 20.948, 84.520



Tritanopia
17, 35.250, 31.018

Trichromacy



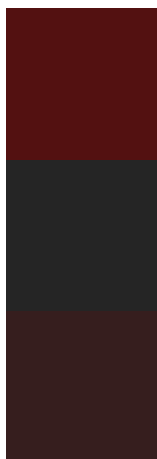
Original Color
17, 35.250, 31.018

Protanomaly
16, 17.724, 49.665

Deuteranomaly
17, 23.122, 54.384

Tritanomaly
17, 35.250, 31.018

Monochromacy



Original Color
17, 35.250, 31.018

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 12.735, 22.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 35.250, 31.018 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(83, 17, 17)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 17, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 17, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 35.250, 31.018 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(83, 17, 17) }
```

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

```
.border{ border-color:rgb(83, 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(83, 17, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 17, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 17, 17);  
box-shadow:4px 4px 4px 4px rgb(83, 17, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 35.250, 31.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 17, 17) }
```

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

```
.background{ background-color: rgb(83, 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](#).

Hey! You found this booklet interesting? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



HOWCOLORS.WORK

A CSS color notation guide.

Are you new to web development and want to know the different ways to express colors in CSS? Then this booklet is for you!

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