

Converting Colors

CIELCh(5, 83.494, 4.743)

Have a look what the booklet for
CIELCh(5, 83.494, 4.743) contains.

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Color

CIELCh(18, 46.762, 31.955)

Conversions

Conversions Part 1

Format	Color
Hex	600007
RGB	96, 0, 7
RGB Percent	38%, 0%, 3%
CMY	0.6216, 1.0000, 0.9710
CMYK	0.00, 1.00, 0.92, 0.62
HSL	355°, 100%, 19%
HSV	355°, 100%, 38%
XYZ	4.9109, 2.5180, 0.4394
YIQ	29.5020, 54.9690, 22.5290

Conversions

Conversions Part 2

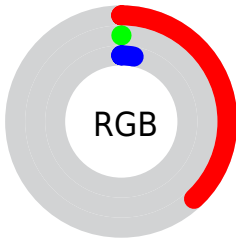
Format	Color
R_{YB}	96, 0, 7
Decimal	6291463
CIE Lab	18.00, 39.68, 24.75
CIE LCh	18, 46.762, 31.955
Yxy	2.5180, 0.6241, 0.3200
Android (android.graphics.Color)	4284481543 (0xFF600007)
YUV	29.5020, -11.0935, 58.3187
Hunter-Lab	15.8683, 27.4722, 9.4659

Details

The CIELCh color **18, 46.762, 31.955** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 26.211, 185.966**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 46.598, 32.476**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 46.663, 32.124**, and if you desaturate by 10%, it is **19, 43.135, 30.492**.

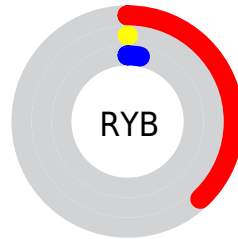
Distribution



Red (38%)

Green (0%)

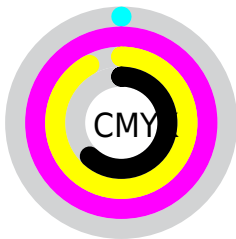
Blue (3%)



Red (38%)

Yellow (0%)

Blue (3%)

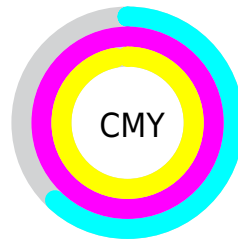


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (62%)



Cyan (62%)

Magenta (100%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 46.762, 31.955 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, 46.762, 31.955 by changing the saturation by 10% instead.

 18, 46.762, 31.955

 18, 46.762, 31.955

 100, 46.762,
31.955

 8, 46.762, 31.955

 0, 46.762, 31.955

 38, 46.762, 31.955

 48, 46.762, 31.955

 58, 46.762, 31.955

 68, 46.762, 31.955

 78, 46.762, 31.955

 88, 46.762, 31.955

 98, 46.762, 31.955

■ 18, 46.762, 31.955

■ 18, 46.762, 31.955

■ 18, 46.663, 32.124

■ 19, 43.135, 30.492

■ 20, 38.713, 26.910

■ 22, 33.800, 23.630

■ 24, 28.665, 20.956

■ 26, 23.463, 18.821

■ 29, 18.330, 17.123

■ 32, 13.370, 15.763

■ 35, 8.646, 14.659

■ 38, 4.188, 13.728

Harmonies

Complementary

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



18, 46.762, 31.955



36, 26.211, 185.966

Rectangle

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



18, 46.762, 31.955



18, 46.762, 81.955



18, 46.762, 211.955



18, 46.762, 261.955

Sweetspot

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



18, 46.663, 32.124



41, 16.580, 15.873



20, 56.994, 325.182



19, 11.496, 16.245



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



18, 46.663, 32.124



25, 57.929, 35.080



24, 41.405, 55.580



18, 2.348, 13.628



22, 52.990, 34.028



50, 96.662, 37.595

Inverse Universe

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



18, 46.663, 32.124



25, 57.929, 35.080



23, 28.424, 271.142



18, 2.348, 13.628



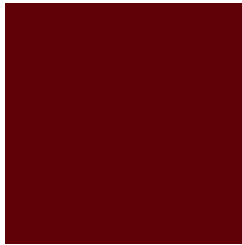
22, 52.990, 34.028



50, 96.662, 37.595

Previews

White Background



This preview shows how the CIELCh color 18, 46.762, 31.955 looks on a white background.

Color Contrast Check

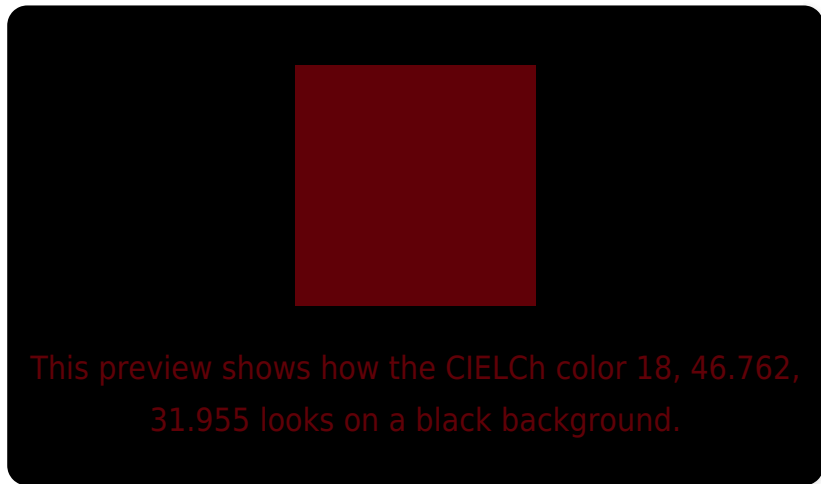
Large Text (above 18pt) WCAG AA ✓ Pass

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

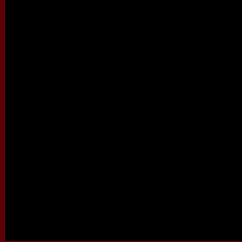
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 46.762, 31.955

Background



This preview shows how black text looks on a background with the CIELCh color 18, 46.762, 31.955.



This preview shows how white text looks on a background with the CIELCh color 18, 46.762, 31.955.

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, 46.524, 32.202

Protanopia

20, 21.667, 96.189

Deuteranopia

20, 28.297, 86.272



Tritanopia
19, 46.514, 37.921

Trichromacy



Original Color
18, 46.524, 32.202

Protanomaly
17, 26.245, 49.255

Deuteranomaly
17, 31.393, 51.024

Tritanomaly
18, 46.317, 35.757

Monochromacy



Original Color
18, 46.524, 32.202

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 19.015, 19.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 46.762, 31.955 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(96, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 7)  
}
```

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(96, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 46.762, 31.955 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(96, 0, 7) }
```

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

```
.border{ border-color:rgb(96, 0, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 0, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 0, 7); box-shadow:4px  
4px 4px 4px rgb(96, 0, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 46.762, 31.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 7) }
```

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

```
.background{ background-color: rgb(96, 0,  
7) }
```

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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