

Converting Colors

CIELCh(18, 42.906, 20.122)

Have a look what the booklet for
CIELCh(18, 42.906, 20.122) contains.

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Color

CIELCh(18, 42.769, 20.594)

Conversions

Conversions Part 1

Format	Color
Hex	600019
RGB	96, 0, 25
RGB Percent	38%, 0%, 10%
CMY	0.6254, 1.0000, 0.9033
CMYK	0.00, 1.00, 0.74, 0.63
HSL	345°, 100%, 19%
HSV	345°, 100%, 37%
XYZ	4.9394, 2.5180, 1.1263
YIQ	31.5540, 49.1910, 28.1270

Conversions

Conversions Part 2

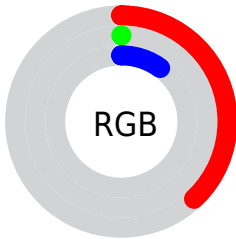
Format	Color
RYB	96, 0, 25
Decimal	6291481
CIELab	18.00, 40.04, 15.04
CIElCh	18, 42.769, 20.594
Yxy	2.5180, 0.5754, 0.2934
Android (android.graphics.Color)	4284481561 (0xFF600019)
YUV	31.5540, -3.2311, 56.5191
Hunter-Lab	15.8683, 27.7932, 6.8997

Details

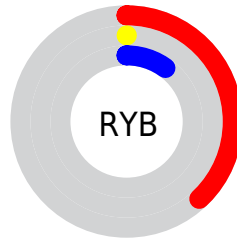
The CIELCh color **18, 42.769, 20.594** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 31.981, 166.784**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.781, 19.976**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.652, 20.745**, and if you desaturate by 10%, it is **19, 39.393, 16.829**.

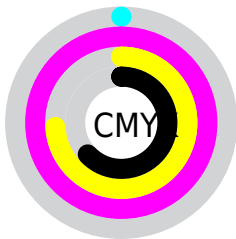
Distribution



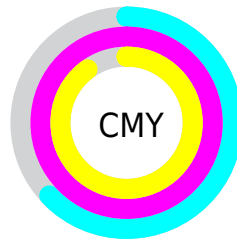
- Red (38%)
- Green (0%)
- Blue (10%)



- Red (38%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (63%)



- Cyan (63%)
- Magenta (100%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.769, 20.594 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, 42.769, 20.594 by changing the saturation by 10% instead.

 18, 42.769, 20.594

 18, 42.769, 20.594

 100, 42.769,
20.594

 8, 42.769, 20.594

 38, 42.769, 20.594

 0, 42.769, 20.594

 48, 42.769, 20.594

 58, 42.769, 20.594

 68, 42.769, 20.594

 78, 42.769, 20.594

 88, 42.769, 20.594

 98, 42.769, 20.594

■ 18, 42.769, 20.594

■ 18, 42.769, 20.594

■ 18, 42.652, 20.745

■ 19, 39.393, 16.829

■ 20, 36.134, 12.890

■ 22, 32.271, 9.698

■ 24, 27.921, 7.136

■ 26, 23.258, 5.072

■ 29, 18.455, 3.385

■ 32, 13.649, 1.983

■ 35, 8.937, 0.792

■ 38, 4.378, 359.745

Harmonies

Complementary

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



18, 42.769, 20.594



35, 31.981, 166.784

Rectangle

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



18, 42.769, 20.594



18, 42.769, 70.594



18, 42.769, 200.594



18, 42.769, 250.594

Sweetspot

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



18, 42.652, 20.745



41, 17.050, 2.104



16, 57.847, 318.985



19, 11.776, 2.493



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, 42.652, 20.745



25, 52.152, 22.683



20, 44.071, 43.402



18, 2.479, 359.633



22, 48.087, 21.961



50, 86.155, 25.808

Inverse Universe

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



18, 42.652, 20.745



25, 52.152, 22.683



28, 21.663, 239.666



18, 2.479, 359.633



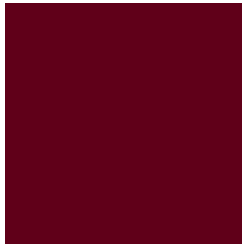
22, 48.087, 21.961



50, 86.155, 25.808

Previews

White Background



This preview shows how the CIELCh color 18, 42.769, 20.594 looks on a white background.

Color Contrast Check

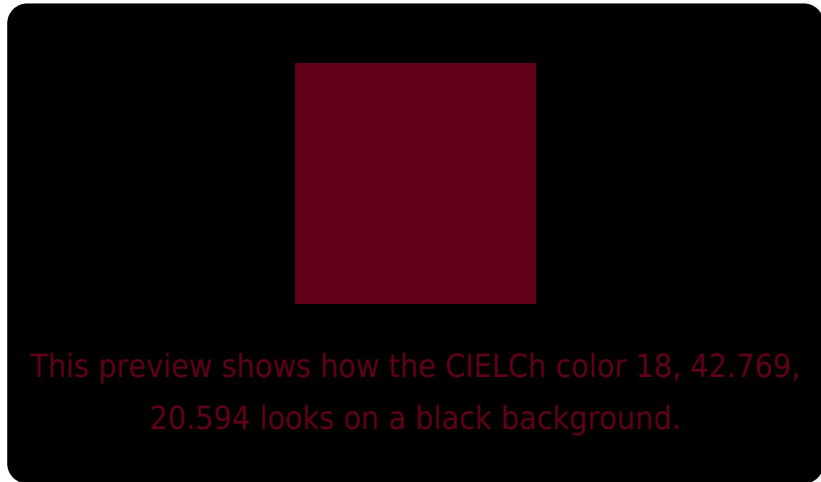
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.769, 20.594

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.769, 20.594.

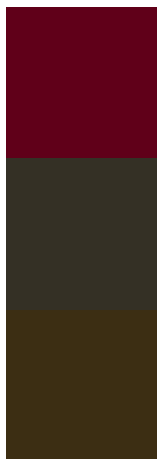


This preview shows how white text looks on a background with the CIELCh color 18, 42.769, 20.594.

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, 42.769, 20.594

Protanopia

20, 7.717, 93.128

Deuteranopia

20, 19.724, 82.492



Tritanopia
19, 44.419, 35.178

Trichromacy



Original Color
18, 42.769, 20.594

Protanomaly
17, 19.257, 20.818

Deuteranomaly
17, 25.567, 37.512

Tritanomaly
18, 43.875, 31.100

Monochromacy



Original Color
18, 42.769, 20.594

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 18.249, 6.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.769, 20.594 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.769, 20.594 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, 25) }
```

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

```
.border{ border-color:rgb(96, 0, 25) }
```

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, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 0, 25); box-shadow:4px  
4px 4px 4px rgb(96, 0, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.769, 20.594 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, 25) }
```

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

```
.background{ background-color: rgb(96, 0,  
25) }
```

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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