

Converting Colors

CIELCh(17, 35.760, 42.916)

Have a look what the booklet for
CIELCh(17, 35.760, 42.916) contains.

CIELCh(17, 35.767, 42.915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	18
<i>Color Blindness Simulation</i>	21
<i>CSS Examples</i>	24

Color

CIELCh(17, 35.767, 42.915)

Conversions

Conversions Part 1

Format	Color
Hex	501603
RGB	80, 22, 3
RGB Percent	31%, 9%, 1%
CMY	0.6855, 0.9130, 0.9872
CMYK	0.00, 0.72, 0.96, 0.69
HSL	15°, 92%, 16%
HSV	15°, 96%, 31%
XYZ	3.6336, 2.3023, 0.3465
YIQ	37.1760, 40.6670, 6.3870

Conversions

Conversions Part 2

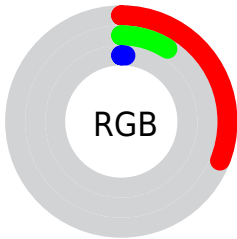
Format	Color
RYB	80, 28, 3
Decimal	5248515
CIELab	17.00, 26.19, 24.35
CIElCh	17, 35.767, 42.915
Yxy	2.3023, 0.5784, 0.3665
Android (android.graphics.Color)	4283438595 (0xFF501603)
YUV	37.1760, -16.8488, 37.5566
Hunter-Lab	15.1734, 16.1916, 9.2675

Details

The CIELCh color **17, 35.767, 42.915** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **24, 18.869, 239.912**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 35.790, 42.440**, and **2, 9.450, 16.959** is the 20% darker color. If you saturate the color by 10%, you get **17, 37.048, 42.653**, and if you desaturate by 10%, it is **18, 32.491, 44.103**.

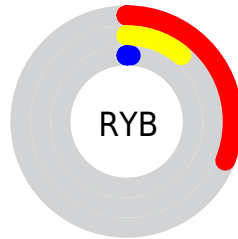
Distribution



Red (31%)

Green (9%)

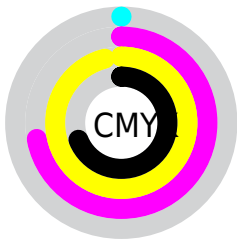
Blue (1%)



Red (31%)

Yellow (11%)

Blue (1%)

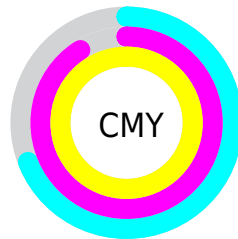


Cyan (0%)

Magenta (72%)

Yellow (96%)

Black (69%)



Cyan (69%)

Magenta (91%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 35.767, 42.915 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, 35.767, 42.915 by changing the saturation by 10% instead.

 17, 35.767, 42.915

 17, 35.767, 42.915

 100, 35.767,
42.915

 7, 35.767, 42.915

 37, 35.767, 42.915

 0, 35.767, 42.915

 47, 35.767, 42.915

 57, 35.767, 42.915

 67, 35.767, 42.915

 77, 35.767, 42.915

 87, 35.767, 42.915

 97, 35.767, 42.915

■ 17, 35.767, 42.915

■ 17, 35.767, 42.915

■ 17, 37.048, 42.653

■ 18, 32.491, 44.103

■ 20, 28.464, 44.585

■ 21, 23.966, 44.214

■ 23, 19.644, 43.976

■ 25, 15.556, 43.884

■ 27, 11.726, 43.927

■ 29, 8.154, 44.083

■ 31, 4.829, 44.321

■ 33, 1.734, 44.556

Harmonies

Complementary

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



17, 35.767, 42.915



24, 18.869, 239.912

Rectangle

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



17, 35.767, 42.915



17, 35.767, 92.915



17, 35.767, 222.915



17, 35.767, 272.915

Sweetspot

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



17, 35.766, 42.918



37, 11.526, 44.007



16, 41.408, 338.649



17, 8.049, 43.968



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 35.766, 42.918



23, 47.666, 44.615



27, 34.671, 84.353



15, 1.674, 44.507



52, 90.974, 44.682

Inverse Universe

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



24, 18.869, 239.912



31, 23.359, 242.766



11, 40.671, 295.903



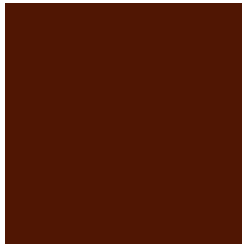
16, 1.598, 225.438



67, 42.584, 246.168

Previews

White Background



This preview shows how the CIELCh color 17, 35.767, 42.915 looks on a white background.

Color Contrast Check

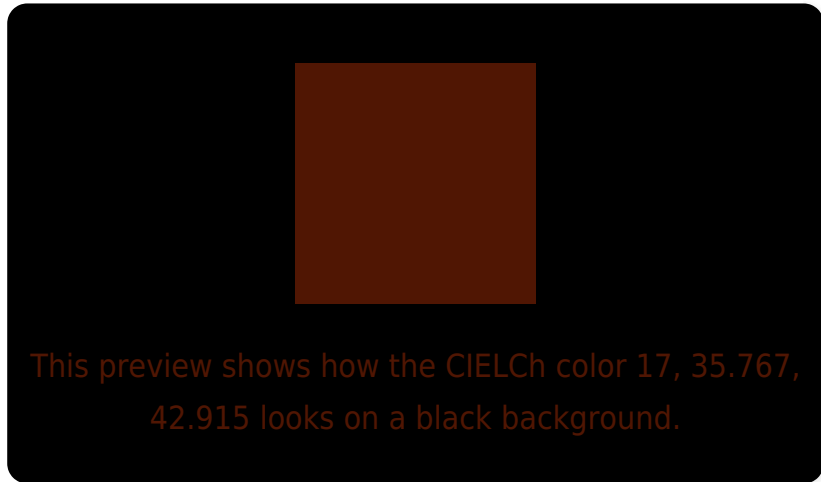
Large Text (above 18pt) WCAG AA ✓ Pass

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

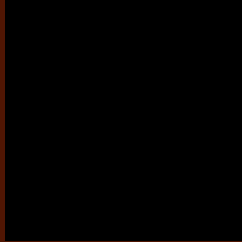
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 35.767, 42.915

Background



This preview shows how black text looks on a background with the CIELCh color 17, 35.767, 42.915.

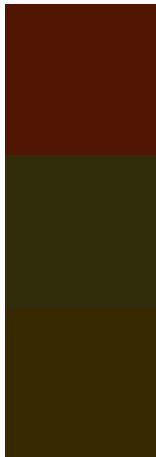


This preview shows how white text looks on a background with the CIELCh color 17, 35.767, 42.915.

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, 35.767, 42.915

Protanopia

18, 21.617, 97.353

Deuteranopia

18, 25.670, 87.361



Tritanopia
17, 32.110, 29.623

Trichromacy



Original Color
17, 35.767, 42.915

Protanomaly
17, 22.875, 68.171

Deuteranomaly
17, 26.852, 66.100

Tritanomaly
17, 33.722, 35.145

Monochromacy



Original Color
17, 35.767, 42.915

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 12.780, 44.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 35.767, 42.915 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(80, 22, 3)` looks like.

```
.text, #text, p{  
    color:rgb(80, 22, 3)  
}
```


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(80, 22, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 22, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 35.767, 42.915 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(80, 22, 3) }
```

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

```
.border{ border-color:rgb(80, 22, 3) }
```

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

Here you see how a box with a 4 pixel rgb(80, 22, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 22, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 22, 3); box-shadow:4px  
4px 4px 4px rgb(80, 22, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 35.767, 42.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 22, 3) }
```

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

```
.background{ background-color: rgb(80, 22,  
3) }
```

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? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor