

Converting Colors

CIELCh(16, 42.369, 27.210)

Have a look what the booklet for
CIELCh(16, 42.369, 27.210) contains.

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Color

CIELCh(16, 42.058, 27.560)

Conversions

Conversions Part 1

Format	Color
Hex	58000D
RGB	88, 0, 13
RGB Percent	35%, 0%, 5%
CMY	0.6551, 1.0000, 0.9493
CMYK	0.00, 1.00, 0.85, 0.66
HSL	351°, 100%, 17%
HSV	351°, 100%, 34%
XYZ	4.0903, 2.0993, 0.5682
YIQ	27.7940, 48.2750, 22.6990

Conversions

Conversions Part 2

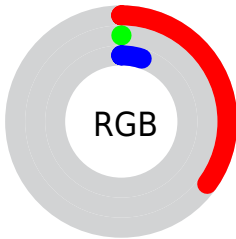
Format	Color
RYB	88, 0, 13
Decimal	5767181
CIELab	16.00, 37.29, 19.46
CIElCh	16, 42.058, 27.560
Yxy	2.0993, 0.6053, 0.3107
Android (android.graphics.Color)	4283957261 (0xFF58000D)
YUV	27.7940, -7.2934, 52.8007
Hunter-Lab	14.4890, 25.0354, 7.8173

Details

The CIELCh color **16, 42.058, 27.560** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 26.432, 177.792**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.968, 27.339**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.045, 27.582**, and if you desaturate by 10%, it is **17, 38.582, 25.257**.

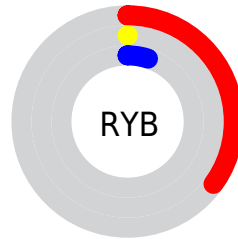
Distribution



Red (35%)

Green (0%)

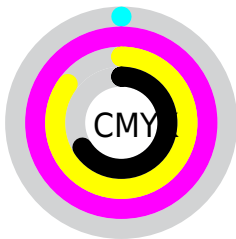
Blue (5%)



Red (35%)

Yellow (0%)

Blue (5%)

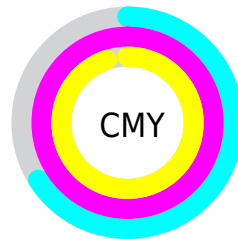


Cyan (0%)

Magenta (100%)

Yellow (85%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 42.058, 27.560 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 16, 42.058, 27.560 by changing the saturation by 10% instead.

 16, 42.058, 27.560

 16, 42.058, 27.560

 100, 42.058,
27.560

 6, 42.058, 27.560

 36, 42.058, 27.560

 0, 42.058, 27.560

 46, 42.058, 27.560

 56, 42.058, 27.560

 66, 42.058, 27.560

 76, 42.058, 27.560

 86, 42.058, 27.560

 96, 42.058, 27.560

■ 16, 42.058, 27.560

■ 16, 42.058, 27.560

■ 16, 42.045, 27.582

■ 17, 38.582, 25.257

■ 18, 34.788, 21.375

■ 20, 30.605, 18.119

■ 22, 26.142, 15.487

■ 24, 21.540, 13.373

■ 26, 16.931, 11.668

■ 29, 12.420, 10.275

■ 32, 8.074, 9.116

■ 35, 3.930, 8.116

Harmonies

Complementary

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



16, 42.058, 27.560



33, 26.432, 177.792

Rectangle

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



16, 42.058, 27.560



16, 42.058, 77.560



16, 42.058, 207.560



16, 42.058, 257.560

Sweetspot

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



16, 42.045, 27.582



38, 15.504, 10.402



16, 53.762, 322.893



18, 10.729, 10.757



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 42.045, 27.582



23, 52.121, 30.695



20, 38.841, 50.188



16, 2.166, 7.997



21, 49.341, 30.078



49, 91.135, 33.939

Inverse Universe

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



16, 42.045, 27.582



23, 52.121, 30.695



22, 23.484, 260.593



16, 2.166, 7.997



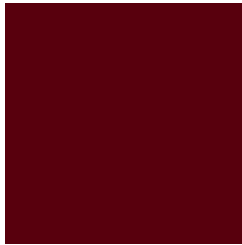
21, 49.341, 30.078



49, 91.135, 33.939

Previews

White Background



This preview shows how the CIELCh color 16, 42.058, 27.560 looks on a white background.

Color Contrast Check

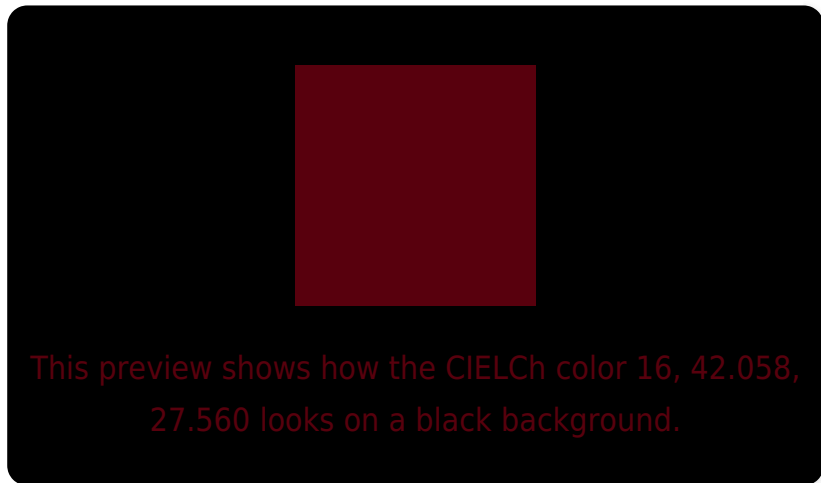
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 42.058, 27.560

Background



This preview shows how black text looks on a background with the CIELCh color 16, 42.058, 27.560.



This preview shows how white text looks on a background with the CIELCh color 16, 42.058, 27.560.

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

16, 42.058, 27.560

Protanopia

18, 16.263, 98.328

Deuteranopia

18, 25.888, 86.144

Trichromacy

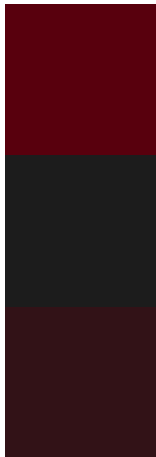


Original Color
16, 42.058, 27.560

Protanomaly
15, 21.357, 43.949

Deuteranomaly
16, 28.100, 49.566

Monochromacy



Original Color
16, 42.058, 27.560

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.355, 14.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 42.058, 27.560 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, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 13)  
}
```

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, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 42.058, 27.560 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, 0, 13) }
```

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

```
.border{ border-color:rgb(88, 0, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 13); box-shadow:4px  
4px 4px 4px rgb(88, 0, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 42.058, 27.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 13) }
```

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

```
.background{ background-color: rgb(88, 0,  
13) }
```

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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