

Converting Colors

CIELCh(16, 38.491, 4.922)

Have a look what the booklet for
CIELCh(16, 38.491, 4.922) contains.

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Color

CIELCh(16, 38.285, 4.590)

Conversions

Conversions Part 1

Format	Color
Hex	560025
RGB	86, 0, 37
RGB Percent	34%, 0%, 15%
CMY	0.6634, 1.0000, 0.8554
CMYK	0.00, 1.00, 0.57, 0.66
HSL	334°, 100%, 17%
HSV	334°, 100%, 34%
XYZ	4.1520, 2.0993, 1.9257
YIQ	29.9320, 39.3790, 29.7390

Conversions

Conversions Part 2

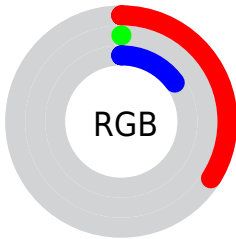
Format	Color
R_{YB}	86, 0, 37
Decimal	5636133
CIE _{Lab}	16.00, 38.16, 3.06
CIE _{LCh}	16, 38.285, 4.590
Yxy	2.0993, 0.5078, 0.2567
Android (android.graphics.Color)	4283826213 (0xFF560025)
YUV	29.9320, 3.4845, 49.1716
Hunter-Lab	14.4890, 25.7956, 2.2620

Details

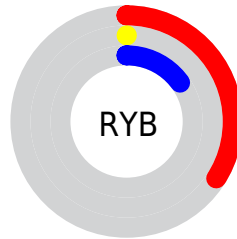
The CIELCh color **16, 38.285, 4.590** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 35.985, 154.950**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 38.329, 4.721**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.232, 4.637**, and if you desaturate by 10%, it is **17, 35.927, 1.711**.

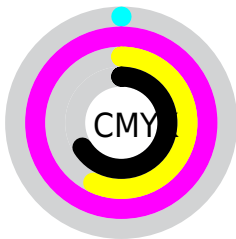
Distribution



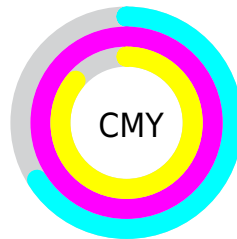
- Red (34%)
- Green (0%)
- Blue (15%)



- Red (34%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 38.285, 4.590 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, 38.285, 4.590 by changing the saturation by 10% instead.

 16, 38.285, 4.590  16, 38.285, 4.590

 100, 38.285, 4.590  6, 38.285, 4.590

 36, 38.285, 4.590  0, 38.285, 4.590

 46, 38.285, 4.590

 56, 38.285, 4.590

 66, 38.285, 4.590

 76, 38.285, 4.590

 86, 38.285, 4.590

 96, 38.285, 4.590

 16, 38.285, 4.590  16, 38.285, 4.590

■ 16, 38.232, 4.637

■ 17, 35.927, 1.711

■ 18, 33.585,
358.765

■ 20, 30.468,
356.385

■ 22, 26.712,
354.452

■ 24, 22.513,
352.854

■ 26, 18.053,
351.505

■ 29, 13.482,
350.343

■ 31, 8.906, 349.320

■ 34, 4.399, 348.391

Harmonies

Complementary

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



16, 38.285, 4.590



31, 35.985, 154.950

Rectangle

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



16, 38.285, 4.590



16, 38.285, 54.590



16, 38.285, 184.590



16, 38.285, 234.590

Sweetspot

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



16, 38.232, 4.637



37, 16.828, 350.455



11, 55.285, 314.388



17, 11.373, 350.732



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 38.232, 4.637



23, 46.083, 6.378



16, 42.339, 35.672



16, 2.478, 348.281



21, 44.590, 6.100



50, 79.391, 9.642

Inverse Universe

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



16, 38.232, 4.637



23, 46.083, 6.378



30, 20.938, 206.796



16, 2.478, 348.281



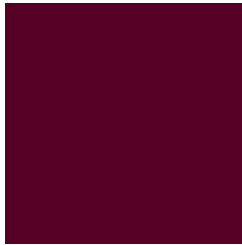
21, 44.590, 6.100



50, 79.391, 9.642

Previews

White Background



This preview shows how the CIE LCh color 16, 38.285, 4.590 looks on a white background.

Color Contrast Check

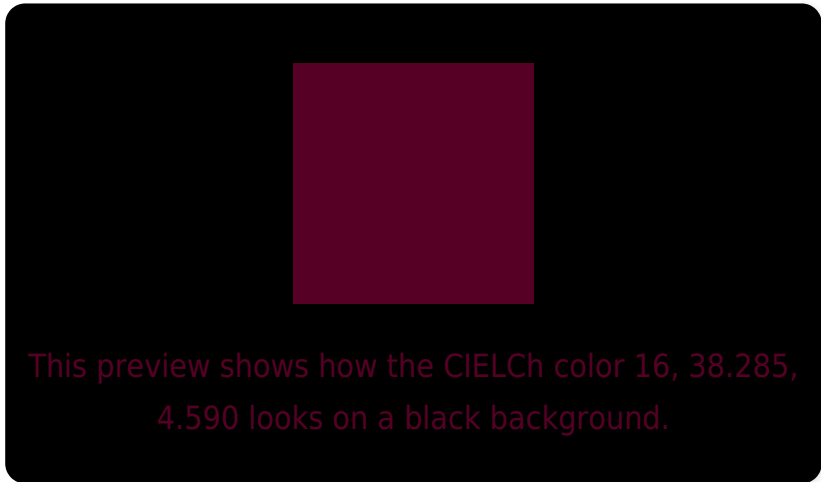
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.285, 4.590

Background



This preview shows how black text looks on a background with the CIELCh color 16, 38.285, 4.590.



This preview shows how white text looks on a background with the CIELCh color 16, 38.285, 4.590.

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, 38.285, 4.590

Protanopia

18, 6.934, 284.703

Deuteranopia

18, 8.164, 68.837



Tritanopia
17, 37.397, 32.397

Trichromacy



Original Color
16, 38.285, 4.590

Protanomaly
15, 19.265, 339.230

Deuteranomaly
15, 19.214, 11.159

Tritanomaly
17, 36.696, 23.403

Monochromacy



Original Color
16, 38.285, 4.590

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.594, 354.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 38.285, 4.590 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(86, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 37)  
}
```

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(86, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 38.285, 4.590 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(86, 0, 37) }
```

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

```
.border{ border-color:rgb(86, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 37); box-shadow:4px  
4px 4px 4px rgb(86, 0, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 38.285, 4.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 37) }
```

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

```
.background{ background-color: rgb(86, 0,  
37) }
```

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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