

Converting Colors

CIELCh(13, 76.822, 54.705)

Have a look what the booklet for
CIELCh(13, 76.822, 54.705) contains.

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Color

CIELCh(16, 43.930, 33.595)

Conversions

Conversions Part 1

Format	Color
Hex	580101
RGB	88, 1, 1
RGB Percent	35%, 0%, 0%
CMY	0.6549, 0.9960, 0.9949
CMYK	0.00, 0.99, 0.99, 0.65
HSL	360°, 98%, 17%
HSV	360°, 99%, 35%
XYZ	4.0419, 2.0993, 0.2292
YIQ	27.0130, 51.8520, 18.4440

Conversions

Conversions Part 2

Format	Color
RYB	88, 1, 1
Decimal	5767425
CIELab	16.00, 36.59, 24.31
CIELCh	16, 43.930, 33.595
Yxy	2.0993, 0.6345, 0.3295
Android (android.graphics.Color)	4283957505 (0xFF580101)
YUV	27.0130, -12.8244, 53.4856
Hunter-Lab	14.4890, 24.4397, 9.2042

Details

The CIELCh color **16, 43.930, 33.595** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 23.020, 195.970**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 43.902, 33.239**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 44.320, 33.664**, and if you desaturate by 10%, it is **17, 40.652, 32.791**.

Distribution



Red (35%)

Green (0%)

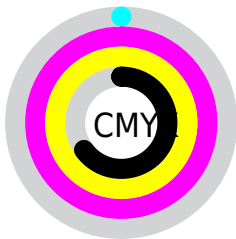
Blue (0%)



Red (35%)

Yellow (0%)

Blue (0%)

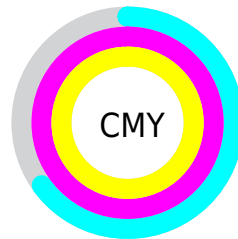


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (65%)



Cyan (65%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 43.930, 33.595 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, 43.930, 33.595 by changing the saturation by 10% instead.

 16, 43.930, 33.595

 16, 43.930, 33.595

 100, 43.930,
33.595

 6, 43.930, 33.595

 36, 43.930, 33.595

 0, 43.930, 33.595

 46, 43.930, 33.595

 56, 43.930, 33.595

 66, 43.930, 33.595

 76, 43.930, 33.595

 86, 43.930, 33.595

 96, 43.930, 33.595

■ 16, 43.930, 33.595

■ 16, 43.930, 33.595

■ 16, 44.320, 33.664

■ 17, 40.652, 32.791

■ 18, 36.711, 31.064

■ 20, 31.717, 28.214

■ 22, 26.593, 25.825

■ 24, 21.515, 23.926

■ 27, 16.598, 22.436

■ 29, 11.918, 21.269

■ 32, 7.514, 20.345

■ 35, 3.399, 19.579

Harmonies

Complementary

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



16, 43.930, 33.595



33, 23.020, 195.970

Rectangle

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



16, 43.930, 33.595



16, 43.930, 83.595



16, 43.930, 213.595



16, 43.930, 263.595

Sweetspot

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



16, 43.928, 33.598



38, 15.550, 21.498



19, 52.917, 327.605



18, 10.791, 21.800



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, 43.928, 33.598



22, 55.818, 37.233



23, 37.021, 61.253



16, 2.127, 19.573



21, 52.611, 36.454



49, 98.054, 39.906

Inverse Universe

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



16, 43.928, 33.598



22, 55.818, 37.233



19, 29.598, 278.149



16, 2.127, 19.573



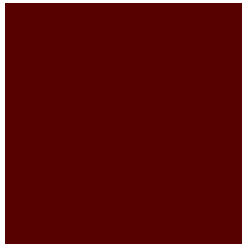
21, 52.611, 36.454



49, 98.054, 39.906

Previews

White Background



This preview shows how the CIELCh color 16, 43.930, 33.595 looks on a white background.

Color Contrast Check

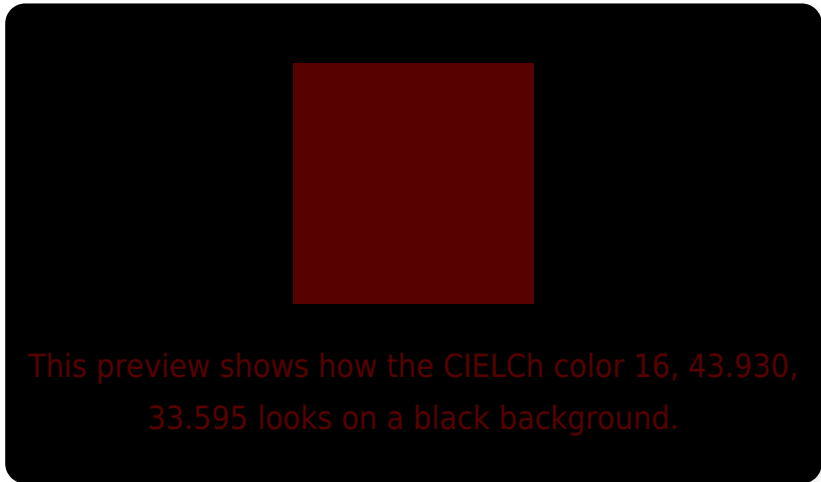
Large Text (above 18pt) WCAG AA ✓ Pass

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

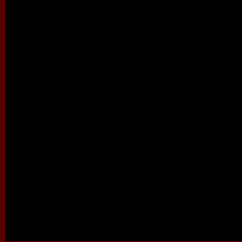
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 43.930, 33.595

Background



This preview shows how black text looks on a background with the CIELCh color 16, 43.930, 33.595.



This preview shows how white text looks on a background with the CIELCh color 16, 43.930, 33.595.

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, 43.993, 33.719

Protanopia

18, 21.306, 95.778

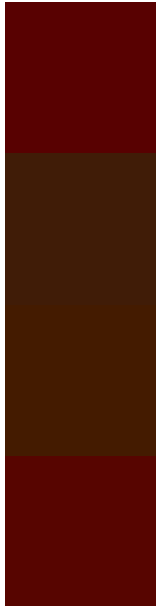
Deuteranopia

18, 25.888, 86.144



Tritanopia
17, 42.500, 36.716

Trichromacy



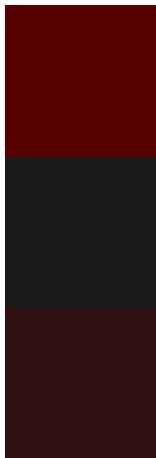
Original Color
16, 43.993, 33.719

Protanomaly
15, 25.343, 51.492

Deuteranomaly
16, 29.465, 52.428

Tritanomaly
16, 43.009, 35.549

Monochromacy



Original Color
16, 43.993, 33.719

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.316, 24.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 43.930, 33.595 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, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(88, 1, 1)  
}
```

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, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 1, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 43.930, 33.595 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".

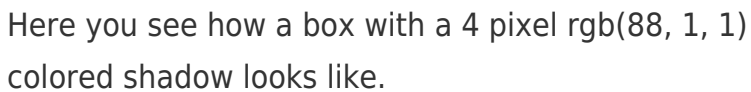
```
.border, #border, table{ border:4px solid rgb(88, 1, 1) }
```

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

```
.border{ border-color:rgb(88, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 1, 1)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 1, 1); box-shadow:4px  
4px 4px 4px rgb(88, 1, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 43.930, 33.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 1, 1) }
```

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

```
.background{ background-color: rgb(88, 1,  
1) }
```

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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