

Converting Colors

CIELCh(11, 58.475, 28.587)

Have a look what the booklet for
CIELCh(11, 58.475, 28.587) contains.

CIELCh(16, 44.375, 33.785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 44.375, 33.785)

Conversions

Conversions Part 1

Format	Color
Hex	580000
RGB	88, 0, 0
RGB Percent	35%, 0%, 0%
CMY	0.6536, 0.9986, 0.9983
CMYK	0.00, 1.00, 1.00, 0.65
HSL	360°, 99%, 17%
HSV	360°, 100%, 35%
XYZ	4.0621, 2.0993, 0.2035
YIQ	26.3120, 52.4480, 18.6560

Conversions

Conversions Part 2

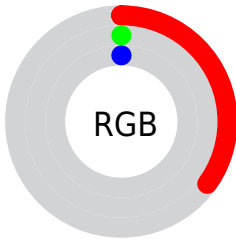
Format	Color
RYB	88, 0, 0
Decimal	5767168
CIELab	16.00, 36.88, 24.68
CIELCh	16, 44.375, 33.785
Yxy	2.0993, 0.6382, 0.3298
Android (android.graphics.Color)	4283957248 (0xFF580000)
YUV	26.3120, -12.9718, 54.1004
Hunter-Lab	14.4890, 24.6875, 9.3097

Details

The CIELCh color **16, 44.375, 33.785** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 23.114, 196.260**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 44.177, 33.927**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 44.507, 33.810**, and if you desaturate by 10%, it is **17, 41.073, 32.997**.

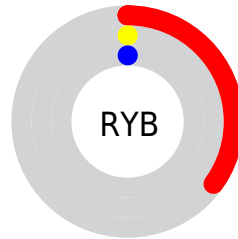
Distribution



Red (35%)

Green (0%)

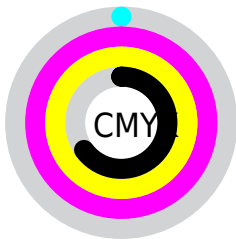
Blue (0%)



Red (35%)

Yellow (0%)

Blue (0%)

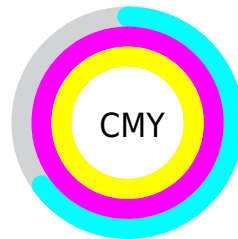


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (65%)



Cyan (65%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 44.375, 33.785 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, 44.375, 33.785 by changing the saturation by 10% instead.

 16, 44.375, 33.785

 16, 44.375, 33.785

 100, 44.375,
33.785

 6, 44.375, 33.785

 36, 44.375, 33.785

 0, 44.375, 33.785

 46, 44.375, 33.785

 56, 44.375, 33.785

 66, 44.375, 33.785

 76, 44.375, 33.785

 86, 44.375, 33.785

 96, 44.375, 33.785

■ 16, 44.375, 33.785

■ 16, 44.375, 33.785

■ 16, 44.507, 33.810

■ 17, 41.073, 32.997

■ 18, 37.230, 31.402

■ 20, 32.247, 28.572

■ 22, 27.099, 26.146

■ 24, 21.988, 24.214

■ 27, 17.033, 22.699

■ 29, 12.313, 21.513

■ 32, 7.870, 20.577

■ 35, 3.719, 19.808

Harmonies

Complementary

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



16, 44.375, 33.785



33, 23.114, 196.260

Rectangle

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



16, 44.375, 33.785



16, 44.375, 83.785



16, 44.375, 213.785



16, 44.375, 263.785

Sweetspot

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



16, 44.373, 33.788



38, 15.555, 21.659



19, 53.271, 327.616



18, 10.795, 21.960



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, 44.373, 33.788



22, 55.872, 37.315



23, 37.405, 61.136



16, 2.127, 19.745



21, 52.661, 36.537



49, 98.143, 39.972

Inverse Universe

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



16, 44.373, 33.788



22, 55.872, 37.315



19, 29.923, 278.432



16, 2.127, 19.745



21, 52.661, 36.537



49, 98.143, 39.972

Previews

White Background



This preview shows how the CIELCh color 16, 44.375, 33.785 looks on a white background.

Color Contrast Check

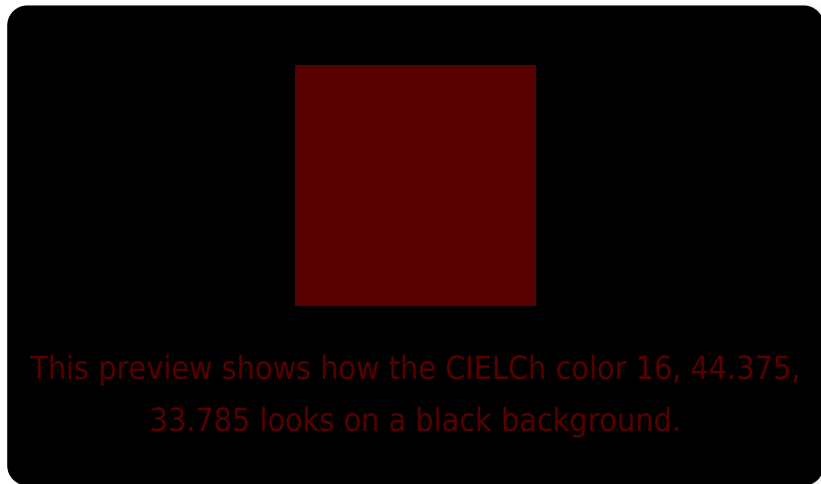
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.375, 33.785

Background



This preview shows how black text looks on a background with the CIELCh color 16, 44.375, 33.785.



This preview shows how white text looks on a background with the CIELCh color 16, 44.375, 33.785.

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, 44.375, 33.785

Protanopia

18, 21.781, 97.406

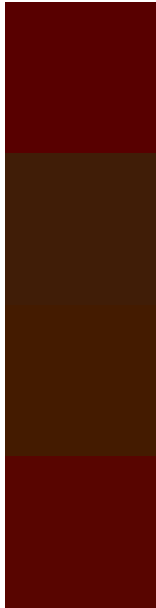
Deuteranopia

18, 25.888, 86.144



Tritanopia
17, 42.969, 36.825

Trichromacy



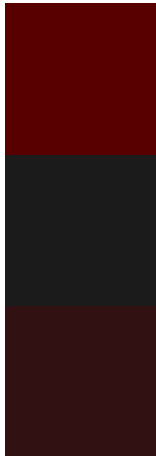
Original Color
16, 44.375, 33.785

Protanomaly
15, 25.212, 53.089

Deuteranomaly
16, 29.465, 52.428

Tritanomaly
16, 43.470, 35.688

Monochromacy



Original Color
16, 44.375, 33.785

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.882, 24.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 44.375, 33.785 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 16, 44.375, 33.785 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, 0) }
```

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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 16, 44.375, 33.785 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, 0) }
```

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

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

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