

Converting Colors

CIELCh(15, 48.051, 28.032)

Have a look what the booklet for
CIELCh(15, 48.051, 28.032) contains.

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Color

CIELCh(17, 45.123, 33.019)

Conversions

Conversions Part 1

Format	Color
Hex	5C0104
RGB	92, 1, 4
RGB Percent	36%, 0%, 2%
CMY	0.6395, 0.9961, 0.9836
CMYK	0.00, 0.99, 0.95, 0.64
HSL	358°, 98%, 18%
HSV	358°, 99%, 36%
XYZ	4.4402, 2.3023, 0.3301
YIQ	28.5510, 53.2730, 20.2250

Conversions

Conversions Part 2

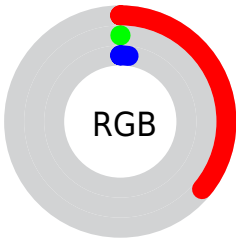
Format	Color
R _Y B	92, 1, 4
Decimal	6029572
CIE Lab	17.00, 37.84, 24.59
CIE LCh	17, 45.123, 33.019
Yxy	2.3023, 0.6278, 0.3255
Android (android.graphics.Color)	4284219652 (0xFF5C0104)
YUV	28.5510, -12.1036, 55.6448
Hunter-Lab	15.1734, 25.6806, 9.3314

Details

The CIELCh color **17, 45.123, 33.019** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 24.303, 191.557**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 45.615, 33.180**, and **4, 17.716, 18.101** is the 20% darker color. If you saturate the color by 10%, you get **17, 45.489, 33.101**, and if you desaturate by 10%, it is **18, 41.773, 31.935**.

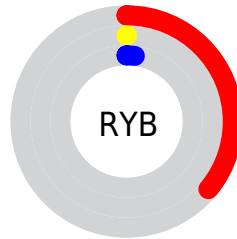
Distribution



Red (36%)

Green (0%)

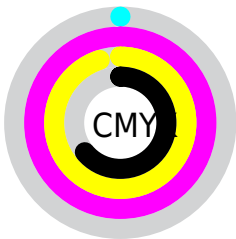
Blue (2%)



Red (36%)

Yellow (0%)

Blue (2%)

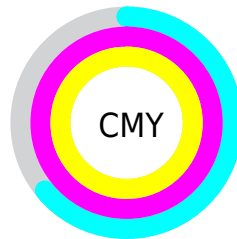


Cyan (0%)

Magenta (99%)

Yellow (95%)

Black (64%)



Cyan (64%)

Magenta (100%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.123, 33.019 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, 45.123, 33.019 by changing the saturation by 10% instead.

 17, 45.123, 33.019

 17, 45.123, 33.019

 100, 45.123,
33.019

 7, 45.123, 33.019

 37, 45.123, 33.019

 0, 45.123, 33.019

 47, 45.123, 33.019

 57, 45.123, 33.019

 67, 45.123, 33.019

 77, 45.123, 33.019

 87, 45.123, 33.019

 97, 45.123, 33.019

■ 17, 45.123, 33.019

■ 17, 45.123, 33.019

■ 17, 45.489, 33.101

■ 18, 41.773, 31.935

■ 19, 37.480, 29.221

■ 21, 32.474, 26.160

■ 23, 27.321, 23.657

■ 25, 22.175, 21.664

■ 28, 17.158, 20.090

■ 31, 12.356, 18.843

■ 33, 7.817, 17.842

■ 36, 3.560, 17.002

Harmonies

Complementary

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



17, 45.123, 33.019



35, 24.303, 191.557

Rectangle

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



17, 45.123, 33.019



17, 45.123, 83.019



17, 45.123, 213.019



17, 45.123, 263.019

Sweetspot

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



17, 45.121, 33.021



40, 16.056, 19.075



19, 54.666, 326.392



18, 11.140, 19.411



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



17, 45.121, 33.021



24, 57.058, 36.411



23, 38.842, 58.395



17, 2.234, 16.995



21, 52.931, 35.473



50, 97.601, 38.964

Inverse Universe

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



17, 45.121, 33.021



24, 57.058, 36.411



21, 28.819, 274.651



17, 2.234, 16.995



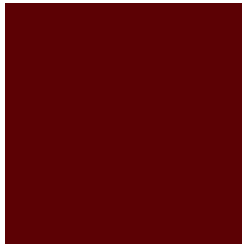
21, 52.931, 35.473



50, 97.601, 38.964

Previews

White Background



This preview shows how the CIELCh color 17, 45.123, 33.019 looks on a white background.

Color Contrast Check

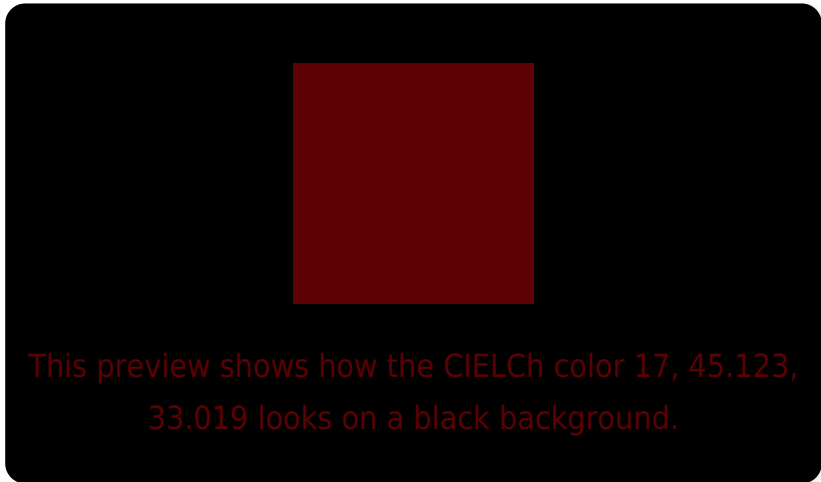
Large Text (above 18pt) WCAG AA ✓ Pass

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

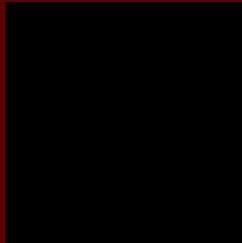
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 45.123, 33.019

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.123, 33.019.



This preview shows how white text looks on a background with the CIELCh color 17, 45.123, 33.019.

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, 45.185, 33.110

Protanopia

19, 21.548, 95.929

Deuteranopia

19, 27.001, 86.787



Tritanopia
18, 44.211, 37.487

Trichromacy



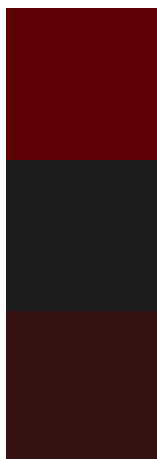
Original Color
17, 45.185, 33.110

Protanomaly
16, 25.767, 51.207

Deuteranomaly
16, 29.792, 51.819

Tritanomaly
17, 44.266, 35.567

Monochromacy



Original Color
17, 45.185, 33.110

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.226, 23.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.123, 33.019 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(92, 1, 4)` looks like.

```
.text, #text, p{  
    color:rgb(92, 1, 4)  
}
```

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(92, 1, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 1, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.123, 33.019 is called "border". The border property can be set on classes, ids or directly on the HTML element.

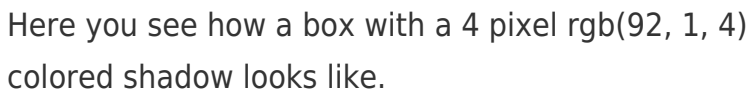
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 1, 4) }
```

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

```
.border{ border-color:rgb(92, 1, 4) }
```

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



Here you see how a box with a 4 pixel rgb(92, 1, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 1, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(92, 1, 4); box-shadow:4px  
4px 4px 4px rgb(92, 1, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.123, 33.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 1, 4) }
```

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

```
.background{ background-color: rgb(92, 1,  
4) }
```

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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