

Converting Colors

CIELCh(4, 88.364, 23.073)

Have a look what the booklet for
CIELCh(4, 88.364, 23.073) contains.

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Color

CIELCh(17, 45.803, 32.951)

Conversions

Conversions Part 1

Format	Color
Hex	5D0003
RGB	93, 0, 3
RGB Percent	36%, 0%, 1%
CMY	0.6370, 1.0000, 0.9864
CMYK	0.00, 1.00, 0.96, 0.64
HSL	358°, 100%, 18%
HSV	358°, 100%, 36%
XYZ	4.4847, 2.3023, 0.3074
YIQ	28.1490, 54.4650, 20.6490

Conversions

Conversions Part 2

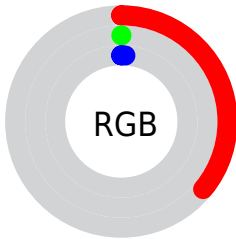
Format	Color
R_{YB}	93, 0, 3
Decimal	6094851
CIE Lab	17.00, 38.43, 24.91
CIE LCh	17, 45.803, 32.951
Yxy	2.3023, 0.6321, 0.3245
Android (android.graphics.Color)	4284284931 (0xFF5D0003)
YUV	28.1490, -12.3985, 56.8743
Hunter-Lab	15.1734, 26.2043, 9.4202

Details

The CIELCh color **17, 45.803, 32.951** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 24.571, 191.165**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 46.066, 33.189**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 45.719, 33.107**, and if you desaturate by 10%, it is **18, 42.366, 32.092**.

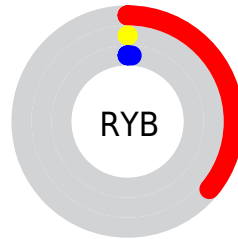
Distribution



Red (36%)

Green (0%)

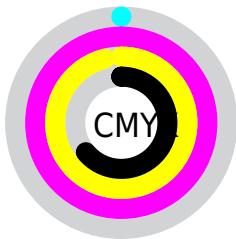
Blue (1%)



Red (36%)

Yellow (0%)

Blue (1%)

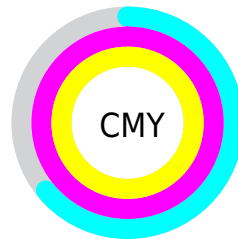


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (64%)



Cyan (64%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.803, 32.951 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, 45.803, 32.951 by changing the saturation by 10% instead.

 17, 45.803, 32.951

 17, 45.803, 32.951

 100, 45.803,
32.951

 7, 45.803, 32.951

 37, 45.803, 32.951

 0, 45.803, 32.951

 47, 45.803, 32.951

 57, 45.803, 32.951

 67, 45.803, 32.951

 77, 45.803, 32.951

 87, 45.803, 32.951

 97, 45.803, 32.951

■ 17, 45.803, 32.951

■ 17, 45.803, 32.951

■ 17, 45.719, 33.107

■ 18, 42.366, 32.092

■ 19, 38.175, 29.444

■ 21, 33.183, 26.309

■ 23, 28.022, 23.735

■ 25, 22.849, 21.682

■ 28, 17.790, 20.060

■ 31, 12.938, 18.774

■ 33, 8.345, 17.744

■ 36, 4.032, 16.887

Harmonies

Complementary

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



17, 45.803, 32.951



35, 24.571, 191.165

Rectangle

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



17, 45.803, 32.951



17, 45.803, 82.951



17, 45.803, 212.951



17, 45.803, 262.951

Sweetspot

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



17, 45.719, 33.107



40, 16.052, 18.882



19, 55.237, 326.399



18, 11.136, 19.219



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, 45.719, 33.107



24, 56.992, 36.310



23, 39.474, 58.247



17, 2.234, 16.791



21, 52.873, 35.372



50, 97.507, 38.892

Inverse Universe

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



17, 45.719, 33.107



24, 56.992, 36.310



21, 29.286, 275.079



17, 2.234, 16.791



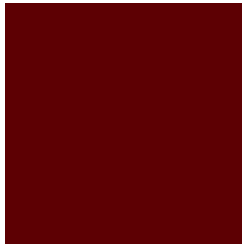
21, 52.873, 35.372



50, 97.507, 38.892

Previews

White Background



This preview shows how the CIE LCh color 17, 45.803, 32.951 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

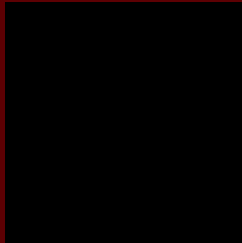
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 45.803, 32.951

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.803, 32.951.



This preview shows how white text looks on a background with the CIELCh color 17, 45.803, 32.951.

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, 45.995, 33.383

Protanopia

19, 22.012, 97.529

Deuteranopia

19, 27.221, 85.643



Tritanopia
18, 44.675, 37.578

Trichromacy



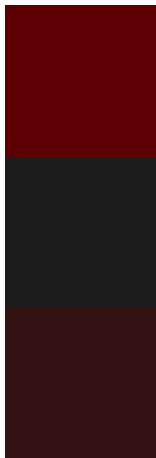
Original Color
17, 45.995, 33.383

Protanomaly
16, 25.767, 51.207

Deuteranomaly
16, 30.580, 51.967

Tritanomaly
17, 44.929, 36.126

Monochromacy



Original Color
17, 45.995, 33.383

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 18.269, 23.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.803, 32.951 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(93, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 3)  
}
```

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(93, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.803, 32.951 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".

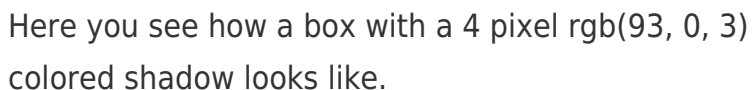
```
.border, #border, table{ border:4px solid rgb(93, 0, 3) }
```

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

```
.border{ border-color:rgb(93, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 0, 3)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 0, 3); box-shadow:4px  
4px 4px 4px rgb(93, 0, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.803, 32.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 3) }
```

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

```
.background{ background-color: rgb(93, 0,  
3) }
```

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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