

Converting Colors

CIELCh(11, 57.703, 358.929)

Have a look what the booklet for
CIELCh(11, 57.703, 358.929)
contains.

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Color

CIELCh(17, 39.591, 10.654)

Conversions

Conversions Part 1

Format	Color
Hex	5A0021
RGB	90, 0, 33
RGB Percent	35%, 0%, 13%
CMY	0.6461, 0.9990, 0.8699
CMYK	0.00, 1.00, 0.63, 0.65
HSL	338°, 99%, 18%
HSV	338°, 100%, 35%
XYZ	4.5200, 2.3023, 1.6585
YIQ	30.6720, 43.0470, 29.3430

Conversions

Conversions Part 2

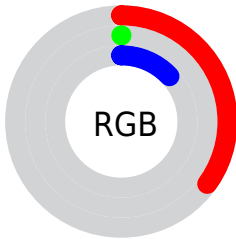
Format	Color
R_{YB}	90, 0, 33
Decimal	5898273
CIE _{Lab}	17.00, 38.91, 7.32
CIE _{LCh}	17, 39.591, 10.654
Yxy	2.3023, 0.5330, 0.2715
Android (android.graphics.Color)	4284088353 (0xFF5A0021)
YUV	30.6720, 1.1477, 52.0307
Hunter-Lab	15.1734, 26.6202, 4.1409

Details

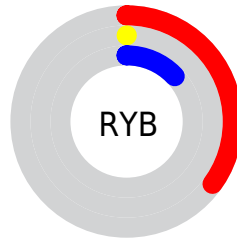
The CIELCh color **17, 39.591, 10.654** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 34.742, 158.822**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 39.686, 10.344**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.671, 10.749**, and if you desaturate by 10%, it is **18, 37.041, 7.232**.

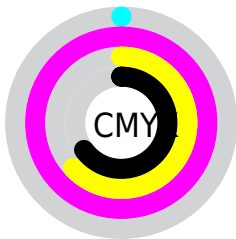
Distribution



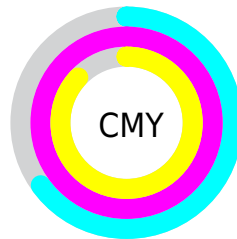
- Red (35%)
- Green (0%)
- Blue (13%)



- Red (35%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 39.591, 10.654 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, 39.591, 10.654 by changing the saturation by 10% instead.

 17, 39.591, 10.654

 17, 39.591, 10.654

 100, 39.591,
10.654

 7, 39.591, 10.654

 37, 39.591, 10.654

 0, 39.591, 10.654

 47, 39.591, 10.654

 57, 39.591, 10.654

 67, 39.591, 10.654

 77, 39.591, 10.654

 87, 39.591, 10.654

 97, 39.591, 10.654

■ 17, 39.591, 10.654

■ 17, 39.591, 10.654

■ 17, 39.671, 10.749

■ 18, 37.041, 7.232

■ 19, 34.416, 3.853

■ 21, 31.052, 1.140

■ 23, 27.091,
358.954

■ 25, 22.723,
357.167

■ 28, 18.131,
355.680

■ 30, 13.463,
354.416

■ 33, 8.823, 353.318

■ 36, 4.281, 352.331

Harmonies

Complementary

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



17, 39.591, 10.654



33, 34.742, 158.822

Rectangle

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



17, 39.591, 10.654



17, 39.591, 60.654



17, 39.591, 190.654



17, 39.591, 240.654

Sweetspot

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



17, 39.589, 10.656



39, 16.897, 354.564



13, 56.419, 316.087



18, 11.438, 354.882



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



17, 39.589, 10.656



24, 47.871, 12.584



18, 43.291, 38.513



17, 2.503, 352.249



22, 45.585, 12.147



50, 81.162, 15.923

Inverse Universe

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



17, 39.589, 10.656



24, 47.871, 12.584



30, 20.575, 219.111



17, 2.503, 352.249



22, 45.585, 12.147



50, 81.162, 15.923

Previews

White Background



This preview shows how the CIE LCh color 17, 39.591, 10.654 looks on a white background.

Color Contrast Check

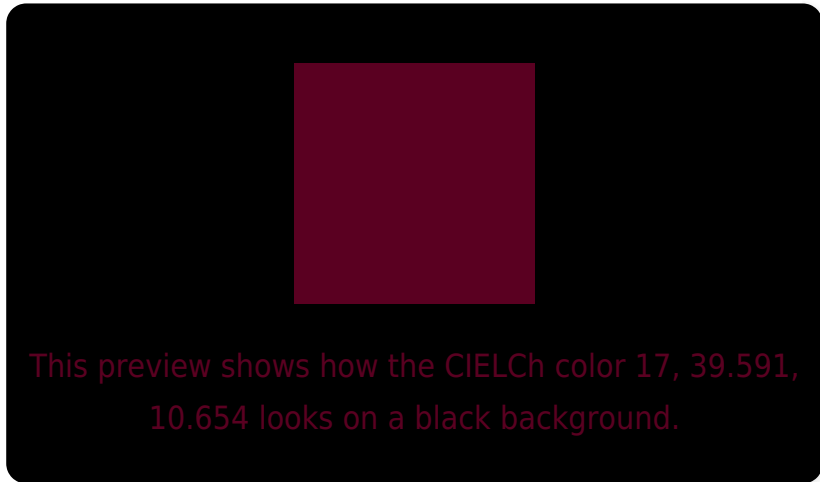
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.591, 10.654

Background



This preview shows how black text looks on a background with the CIELCh color 17, 39.591, 10.654.



This preview shows how white text looks on a background with the CIELCh color 17, 39.591, 10.654.

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, 39.591, 10.654

Protanopia

19, 2.059, 290.693

Deuteranopia

19, 12.187, 75.793



Tritanopia
18, 40.596, 33.309

Trichromacy



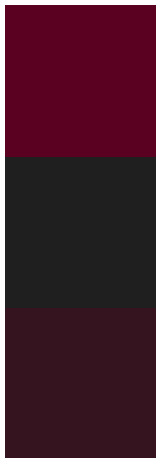
Original Color
17, 39.591, 10.654

Protanomaly
16, 18.232, 353.277

Deuteranomaly
16, 20.890, 20.129

Tritanomaly
17, 39.734, 25.873

Monochromacy



Original Color
17, 39.591, 10.654

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 18.169, 358.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 39.591, 10.654 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(90, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(90, 0, 33)  
}
```

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(90, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 39.591, 10.654 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(90, 0, 33) }
```

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

```
.border{ border-color:rgb(90, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 0, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 0, 33); box-shadow:4px  
4px 4px 4px rgb(90, 0, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 39.591, 10.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 0, 33) }
```

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

```
.background{ background-color: rgb(90, 0,  
33) }
```

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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