

Converting Colors

CIELCh(17, 39.702, 357.733)

Have a look what the booklet for
CIELCh(17, 39.702, 357.733)
contains.

CIELCh(17, 39.678, 358.207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(17, 39.678, 358.207)

Conversions

Conversions Part 1

Format	Color
Hex	59002D
RGB	89, 0, 45
RGB Percent	35%, 0%, 18%
CMY	0.6515, 1.0000, 0.8240
CMYK	0.00, 1.00, 0.49, 0.65
HSL	330°, 100%, 17%
HSV	330°, 100%, 35%
XYZ	4.5764, 2.3023, 2.6746
YIQ	31.7410, 38.5990, 32.8630

Conversions

Conversions Part 2

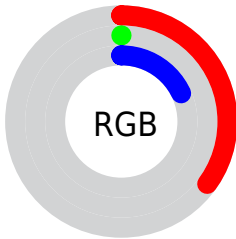
Format	Color
R_{YB}	89, 0, 45
Decimal	5832749
CIE _{Lab}	17.00, 39.66, -1.24
CIE _{LCh}	17, 39.678, 358.207
Yxy	2.3023, 0.4790, 0.2410
Android (android.graphics.Color)	4284022829 (0xFF59002D)
YUV	31.7410, 6.5367, 50.2161
Hunter-Lab	15.1734, 27.2834, 0.1706

Details

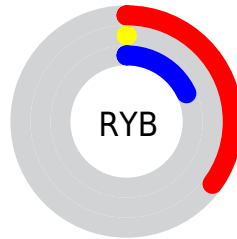
The CIELCh color **17, 39.678, 358.207** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 39.966, 150.735**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 39.838, 358.381**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.632, 358.238**, and if you desaturate by 10%, it is **18, 37.588, 355.701**.

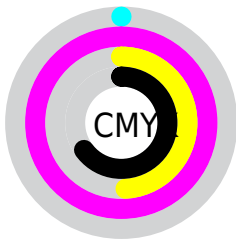
Distribution



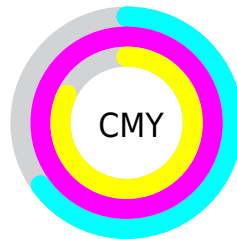
- Red (35%)
- Green (0%)
- Blue (18%)



- Red (35%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (65%)




- Cyan (65%)
- Magenta (100%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 39.678, 358.207 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, 39.678, 358.207 by changing the saturation by 10% instead.

 17, 39.678,
358.207

 17, 39.678,
358.207

 100, 39.678,
358.207

 7, 39.678, 358.207

 37, 39.678,
358.207

 0, 39.678, 358.207

 47, 39.678,
358.207


 57, 39.678,
358.207


 67, 39.678,
358.207

 77, 39.678,
358.207

 87, 39.678,


358.207


 97, 39.678,
358.207


 17, 39.678,
358.207


 17, 39.678,
358.207


 17, 39.632,
358.238

 18, 37.588,
355.701

 19, 35.384,
353.209

 21, 32.277,
351.187

 23, 28.430,
349.527

 25, 24.056,
348.134

■ 27, 19.358,
346.938

■ 30, 14.500,
345.890

■ 32, 9.605, 344.954

■ 35, 4.755, 344.092

Harmonies

Complementary

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



17, 39.678, 358.207



32, 39.966, 150.735

Rectangle

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



17, 39.678, 358.207



17, 39.678, 48.207



17, 39.678, 178.207



17, 39.678, 228.207

Sweetspot

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



17, 39.632, 358.238



38, 17.910, 345.985



11, 57.591, 312.359



18, 12.326, 346.257



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, 39.632, 358.238



23, 47.246, 359.591



16, 44.473, 33.288



16, 2.604, 343.986



22, 45.028, 359.250



51, 79.537, 2.226

Inverse Universe

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



17, 39.632, 358.238



23, 47.246, 359.591



34, 23.499, 194.037



16, 2.604, 343.986



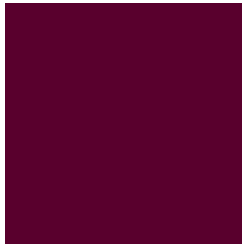
22, 45.028, 359.250



51, 79.537, 2.226

Previews

White Background



This preview shows how the CIELCh color 17, 39.678, 358.207 looks on a white background.

Color Contrast Check

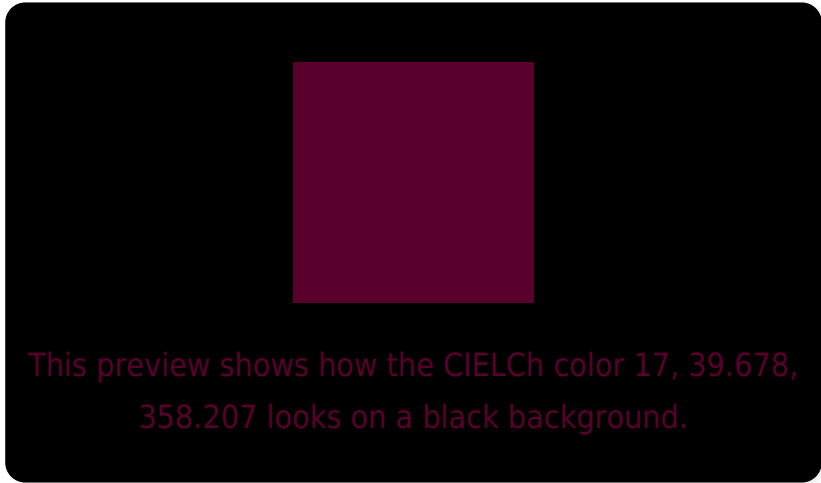
Large Text (above 18pt) WCAG AA ✓ Pass

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

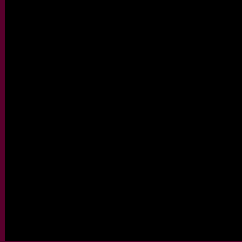
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 39.678, 358.207

Background



This preview shows how black text looks on a background with the CIELCh color 17, 39.678, 358.207.



This preview shows how white text looks on a background with the CIELCh color 17, 39.678, 358.207.

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, 39.678, 358.207

Protanopia

19, 13.139, 282.959

Deuteranopia

19, 4.839, 54.192



Tritanopia
18, 37.101, 31.419

Trichromacy



Original Color
17, 39.678, 358.207

Protanomaly
16, 23.335, 326.715

Deuteranomaly
17, 19.635, 358.818

Tritanomaly
17, 36.602, 18.460

Monochromacy



Original Color
17, 39.678, 358.207

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.381, 348.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 39.678, 358.207 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(89, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 45)  
}
```

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(89, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 39.678, 358.207 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(89, 0, 45) }
```

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

```
.border{ border-color:rgb(89, 0, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 0, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 0, 45); box-shadow:4px  
4px 4px 4px rgb(89, 0, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 39.678, 358.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 45) }
```

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

```
.background{ background-color: rgb(89, 0,  
45) }
```

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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