

Converting Colors

CIELCh(9, 65.849, 359.695)

Have a look what the booklet for
CIELCh(9, 65.849, 359.695) contains.

CIELCh(17, 40.648, 15.457)	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(17, 40.648, 15.457)

Conversions

Conversions Part 1

Format	Color
Hex	5B001C
RGB	91, 0, 28
RGB Percent	36%, 0%, 11%
CMY	0.6423, 1.0000, 0.8885
CMYK	0.00, 1.00, 0.69, 0.64
HSL	341°, 100%, 18%
HSV	341°, 100%, 36%
XYZ	4.5402, 2.3023, 1.3303
YIQ	30.4010, 45.2480, 28.0000

Conversions

Conversions Part 2

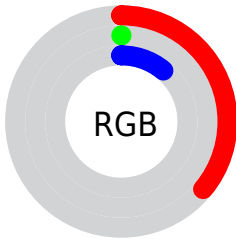
Format	Color
R_{YB}	91, 0, 28
Decimal	5963804
CIE Lab	17.00, 39.18, 10.83
CIE LCh	17, 40.648, 15.457
Yxy	2.3023, 0.5555, 0.2817
Android (android.graphics.Color)	4284153884 (0xFF5B001C)
YUV	30.4010, -1.1837, 53.1453
Hunter-Lab	15.1734, 26.8577, 5.4235

Details

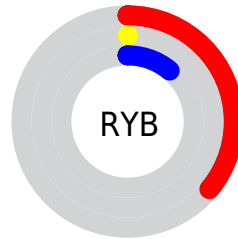
The CIELCh color **17, 40.648, 15.457** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 32.942, 162.613**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 40.330, 15.817**, and **4, 18.543, 18.159** is the 20% darker color. If you saturate the color by 10%, you get **17, 40.436, 15.707**, and if you desaturate by 10%, it is **18, 37.563, 12.050**.

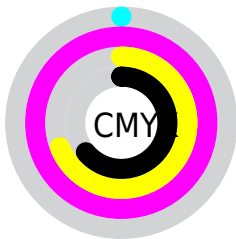
Distribution



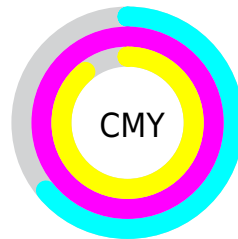
- Red (36%)
- Green (0%)
- Blue (11%)



- Red (36%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (64%)



- Cyan (64%)
- Magenta (100%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 40.648, 15.457 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, 40.648, 15.457 by changing the saturation by 10% instead.

 17, 40.648, 15.457

 17, 40.648, 15.457

 100, 40.648,
15.457

 7, 40.648, 15.457

 37, 40.648, 15.457

 0, 40.648, 15.457

 47, 40.648, 15.457

 57, 40.648, 15.457

 67, 40.648, 15.457

 77, 40.648, 15.457

 87, 40.648, 15.457

 97, 40.648, 15.457

■ 17, 40.648, 15.457

■ 17, 40.648, 15.457

■ 17, 40.436, 15.707

■ 18, 37.563, 12.050

■ 19, 34.690, 8.369

■ 21, 31.157, 5.402

■ 23, 27.086, 3.017

■ 25, 22.658, 1.084

■ 28, 18.048,
359.489

■ 30, 13.394,
358.148

■ 33, 8.798, 356.997

■ 36, 4.323, 355.974

Harmonies

Complementary

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



17, 40.648, 15.457



34, 32.942, 162.613

Rectangle

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



17, 40.648, 15.457



17, 40.648, 65.457



17, 40.648, 195.457



17, 40.648, 245.457

Sweetspot

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



17, 40.436, 15.707



39, 16.499, 358.262



14, 56.464, 317.513



18, 11.178, 358.596



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, 40.436, 15.707



23, 48.602, 17.564



18, 43.039, 40.638



17, 2.430, 355.859



22, 46.241, 17.103



50, 82.972, 21.047

Inverse Universe

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



17, 40.436, 15.707



23, 48.602, 17.564



29, 20.556, 229.216



17, 2.430, 355.859



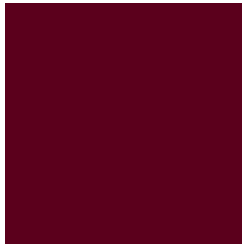
22, 46.241, 17.103



50, 82.972, 21.047

Previews

White Background



This preview shows how the CIE LCh color 17, 40.648, 15.457 looks on a white background.

Color Contrast Check

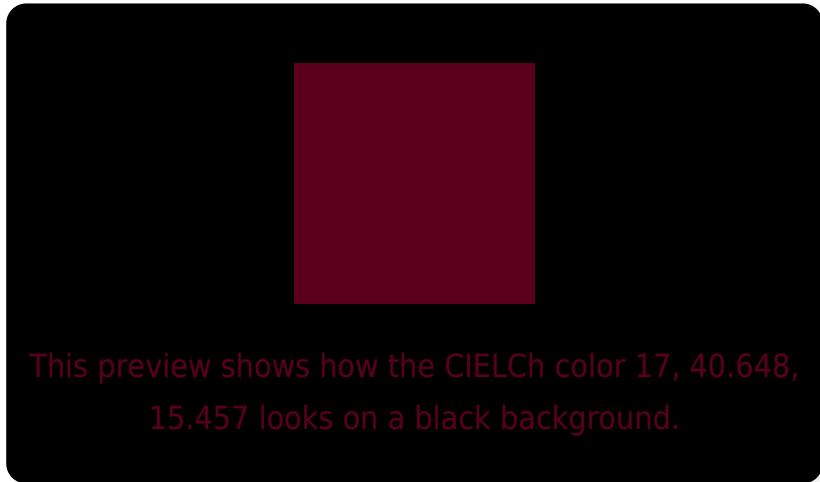
Large Text (above 18pt) WCAG AA ✓ Pass

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

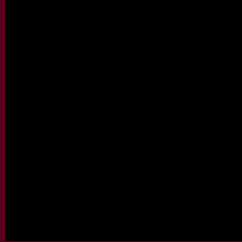
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 40.648, 15.457

Background



This preview shows how black text looks on a background with the CIELCh color 17, 40.648, 15.457.



This preview shows how white text looks on a background with the CIELCh color 17, 40.648, 15.457.

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, 40.418, 16.037

Protanopia

19, 2.895, 89.815

Deuteranopia

19, 15.456, 79.313



Tritanopia
18, 41.656, 34.049

Trichromacy



Original Color
17, 40.418, 16.037

Protanomaly
16, 18.179, 7.570

Deuteranomaly
16, 22.335, 29.063

Tritanomaly
18, 40.870, 28.475

Monochromacy



Original Color
17, 40.418, 16.037

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 17.884, 2.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 40.648, 15.457 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(91, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 28)  
}
```

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(91, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 40.648, 15.457 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(91, 0, 28) }
```

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

```
.border{ border-color:rgb(91, 0, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 0, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 28); box-shadow:4px  
4px 4px 4px rgb(91, 0, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 40.648, 15.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 28) }
```

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

```
.background{ background-color: rgb(91, 0,  
28) }
```

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