

Converting Colors

CIELCh(17, 40.043, 1.144)

Have a look what the booklet for
CIELCh(17, 40.043, 1.144) contains.

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Color

CIELCh(17, 39.651, 1.663)

Conversions

Conversions Part 1

Format	Color
Hex	5A002A
RGB	90, 0, 42
RGB Percent	35%, 0%, 16%
CMY	0.6490, 1.0000, 0.8368
CMYK	0.00, 1.00, 0.54, 0.65
HSL	332°, 100%, 18%
HSV	332°, 100%, 35%
XYZ	4.5746, 2.3023, 2.3578
YIQ	31.6980, 40.1580, 32.1420

Conversions

Conversions Part 2

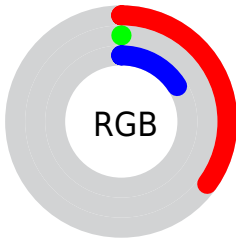
Format	Color
R_{YB}	90, 0, 42
Decimal	5898282
CIE Lab	17.00, 39.63, 1.15
CIE LCh	17, 39.651, 1.663
Yxy	2.3023, 0.4954, 0.2493
Android (android.graphics.Color)	4284088362 (0xFF5A002A)
YUV	31.6980, 5.0789, 51.1309
Hunter-Lab	15.1734, 27.2619, 1.4083

Details

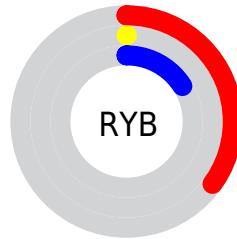
The CIELCh color **17, 39.651, 1.663** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 38.568, 152.808**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 39.330, 1.713**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.494, 1.784**, and if you desaturate by 10%, it is **18, 37.348, 358.964**.

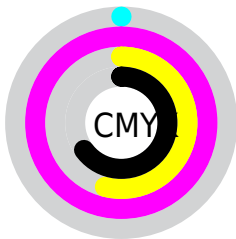
Distribution



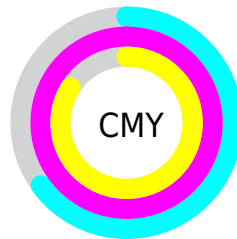
- Red (35%)
- Green (0%)
- Blue (16%)



- Red (35%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 39.651, 1.663 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, 39.651, 1.663 by changing the saturation by 10% instead.

 17, 39.651, 1.663  17, 39.651, 1.663

 100, 39.651, 1.663  7, 39.651, 1.663

 37, 39.651, 1.663  0, 39.651, 1.663

 47, 39.651, 1.663

 57, 39.651, 1.663

 67, 39.651, 1.663

 77, 39.651, 1.663

 87, 39.651, 1.663

 97, 39.651, 1.663

 17, 39.651, 1.663  17, 39.651, 1.663

■ 17, 39.494, 1.784

■ 18, 37.348,
358.964

■ 19, 35.066,
356.192

■ 21, 31.917,
353.957

■ 23, 28.059,
352.135

■ 25, 23.701,
350.622

■ 27, 19.042,
349.336

■ 30, 14.242,
348.220

■ 33, 9.421, 347.232

■ 35, 4.659, 346.330

Harmonies

Complementary

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



17, 39.651, 1.663



33, 38.568, 152.808

Rectangle

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



17, 39.651, 1.663



17, 39.651, 51.663



17, 39.651, 181.663



17, 39.651, 231.663

Sweetspot

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



17, 39.494, 1.784



39, 17.806, 348.325



12, 57.313, 313.501



18, 12.040, 348.606



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, 39.494, 1.784



24, 47.658, 3.357



17, 44.510, 35.155



17, 2.661, 346.229



22, 45.444, 2.993



51, 79.914, 6.186

Inverse Universe

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



17, 39.494, 1.784



24, 47.658, 3.357



33, 22.368, 201.383



17, 2.661, 346.229



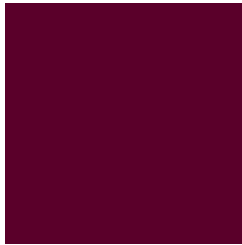
22, 45.444, 2.993



51, 79.914, 6.186

Previews

White Background



This preview shows how the CIELCh color 17, 39.651, 1.663 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



This preview shows how the CIELCh color 17, 39.651, 1.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

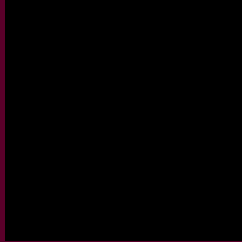
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 39.651, 1.663

Background



This preview shows how black text looks on a background with the CIELCh color 17, 39.651, 1.663.



This preview shows how white text looks on a background with the CIELCh color 17, 39.651, 1.663.

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, 39.651, 1.663

Protanopia

19, 9.637, 285.033

Deuteranopia

19, 6.645, 65.550



Tritanopia
18, 37.864, 32.423

Trichromacy



Original Color
17, 39.651, 1.663

Protanomaly
16, 21.253, 334.503

Deuteranomaly
17, 19.694, 5.428

Tritanomaly
18, 37.548, 21.876

Monochromacy



Original Color
17, 39.651, 1.663

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 18.817, 352.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 39.651, 1.663 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(90, 0, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 39.651, 1.663 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, 42) }
```

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

```
.border{ border-color:rgb(90, 0, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 0, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 0, 42); box-shadow:4px  
4px 4px 4px rgb(90, 0, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 39.651, 1.663 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, 42) }
```

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

```
.background{ background-color: rgb(90, 0,  
42) }
```

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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