

Converting Colors

CIELCh(17, 34.626, 11.815)

Have a look what the booklet for
CIELCh(17, 34.626, 11.815) contains.

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Color

CIELCh(17, 34.594, 12.134)

Conversions

Conversions Part 1

Format	Color
Hex	550C21
RGB	85, 12, 33
RGB Percent	33%, 5%, 13%
CMY	0.6668, 0.9530, 0.8707
CMYK	0.00, 0.86, 0.61, 0.67
HSL	343°, 75%, 19%
HSV	343°, 86%, 33%
XYZ	4.1498, 2.3023, 1.6633
YIQ	36.2210, 36.7670, 22.0070

Conversions

Conversions Part 2

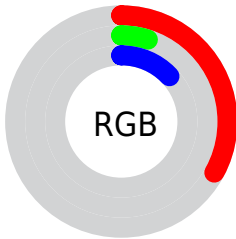
Format	Color
RYB	85, 12, 33
Decimal	5573665
CIELab	17.00, 33.82, 7.27
CIELCh	17, 34.594, 12.134
Yxy	2.3023, 0.5113, 0.2837
Android (android.graphics.Color)	4283763745 (0xFF550C21)
YUV	36.2210, -1.5880, 42.7792
Hunter-Lab	15.1734, 22.2649, 4.1221

Details

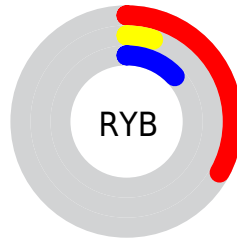
The CIELCh color **17, 34.594, 12.134** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 27.729, 166.947**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 34.555, 12.100**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 37.429, 15.853**, and if you desaturate by 10%, it is **18, 31.470, 8.757**.

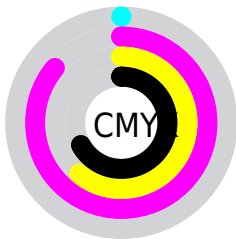
Distribution



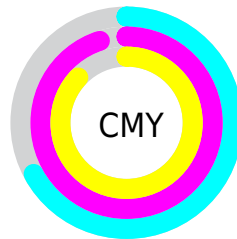
- Red (33%)
- Green (5%)
- Blue (13%)



- Red (33%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (86%)
- Yellow (61%)
- Black (67%)



- Cyan (67%)
- Magenta (95%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 34.594, 12.134 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, 34.594, 12.134 by changing the saturation by 10% instead.

 17, 34.594, 12.134

 17, 34.594, 12.134

 100, 34.594,
12.134

 7, 34.594, 12.134

 37, 34.594, 12.134

 0, 34.594, 12.134

 47, 34.594, 12.134

 57, 34.594, 12.134

 67, 34.594, 12.134

 77, 34.594, 12.134

 87, 34.594, 12.134

 97, 34.594, 12.134

■ 17, 34.594, 12.134

■ 17, 34.594, 12.134

■ 16, 37.429, 15.853

■ 18, 31.470, 8.757

■ 15, 38.717, 17.210

■ 20, 27.808, 6.036

■ 22, 23.751, 3.841

■ 24, 19.463, 2.049

■ 27, 15.088, 0.562

■ 29, 10.735,
359.304

■ 32, 6.477, 358.214

■ 35, 2.359, 357.208

■ 37, 1.599, 176.655

Harmonies

Complementary

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



17, 34.594, 12.134



32, 27.729, 166.947

Rectangle

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



17, 34.594, 12.134



17, 34.594, 62.134



17, 34.594, 192.134



17, 34.594, 242.134

Sweetspot

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



17, 34.592, 12.136



38, 13.319, 359.416



15, 48.461, 318.218



18, 9.129, 359.660



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



17, 34.592, 12.136



22, 46.655, 19.232



19, 35.086, 41.512



16, 2.286, 357.504



21, 45.848, 19.063



50, 83.296, 23.168

Inverse Universe

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



17, 34.592, 12.136



22, 46.655, 19.232



27, 18.447, 228.658



16, 2.286, 357.504



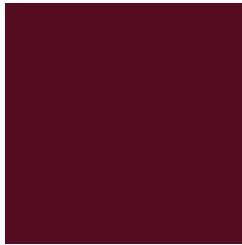
21, 45.848, 19.063



50, 83.296, 23.168

Previews

White Background



This preview shows how the CIE LCh color 17, 34.594, 12.134 looks on a white background.

Color Contrast Check

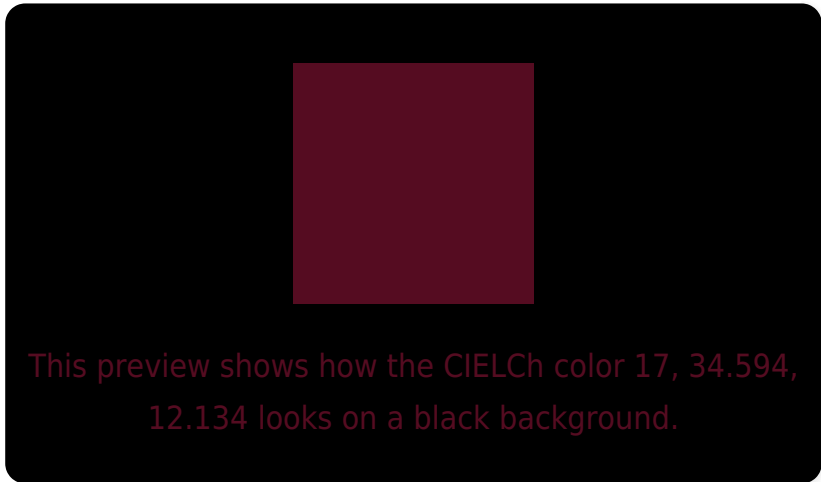
Large Text (above 18pt) WCAG AA ✓ Pass

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

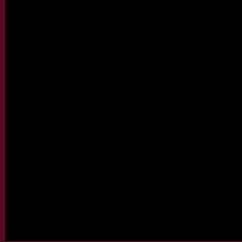
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 34.594, 12.134

Background



This preview shows how black text looks on a background with the CIELCh color 17, 34.594, 12.134.



This preview shows how white text looks on a background with the CIELCh color 17, 34.594, 12.134.

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, 34.594, 12.134

Protanopia

18, 2.130, 303.324

Deuteranopia

18, 10.790, 74.840



Tritanopia
17, 35.725, 31.154

Trichromacy



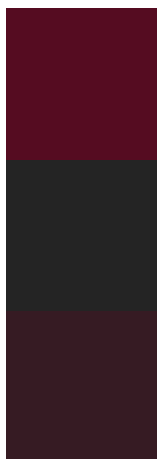
Original Color
17, 34.594, 12.134

Protanomaly
16, 15.141, 356.841

Deuteranomaly
16, 18.164, 26.419

Tritanomaly
17, 34.780, 24.301

Monochromacy



Original Color
17, 34.594, 12.134

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 14.559, 1.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 34.594, 12.134 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(85, 12, 33)` looks like.

```
.text, #text, p{  
    color:rgb(85, 12, 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(85, 12, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 12, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 34.594, 12.134 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(85, 12, 33) }
```

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

```
.border{ border-color:rgb(85, 12, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 12, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 12, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 12, 33);  
box-shadow:4px 4px 4px 4px rgb(85, 12, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 34.594, 12.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 12, 33) }
```

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

```
.background{ background-color: rgb(85, 12,  
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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