

Converting Colors

CIELCh(17, 35.934, 7.234)

Have a look what the booklet for
CIELCh(17, 35.934, 7.234) contains.

CIELCh(17, 35.945, 6.840)	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, 35.945, 6.840)

Conversions

Conversions Part 1

Format	Color
Hex	560825
RGB	86, 8, 37
RGB Percent	34%, 3%, 15%
CMY	0.6619, 0.9676, 0.8543
CMYK	0.00, 0.90, 0.57, 0.66
HSL	338°, 83%, 19%
HSV	338°, 90%, 34%
XYZ	4.2833, 2.3023, 1.9825
YIQ	34.6280, 37.1790, 25.5550

Conversions

Conversions Part 2

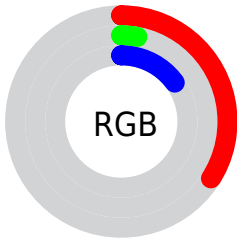
Format	Color
RYB	86, 8, 37
Decimal	5638181
CIELab	17.00, 35.69, 4.28
CIELCh	17, 35.945, 6.840
Yxy	2.3023, 0.4999, 0.2687
Android (android.graphics.Color)	4283828261 (0xFF560825)
YUV	34.6280, 1.1694, 45.0532
Hunter-Lab	15.1734, 23.8353, 2.8748

Details

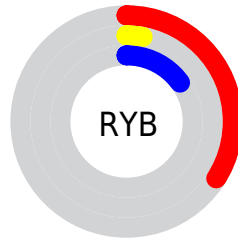
The CIELCh color **17, 35.945, 6.840** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 31.651, 160.183**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 35.950, 7.251**, and **3, 16.126, 17.972** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.397, 9.947**, and if you desaturate by 10%, it is **18, 33.427, 3.520**.

Distribution



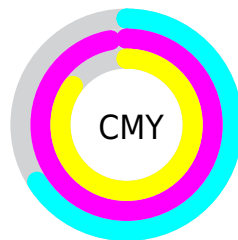
- Red (34%)
- Green (3%)
- Blue (15%)



- Red (34%)
- Yellow (3%)
- Blue (15%)



- Cyan (0%)
- Magenta (90%)
- Yellow (57%)
- Black (66%)



- Cyan (66%)
- Magenta (97%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 35.945, 6.840 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, 35.945, 6.840 by changing the saturation by 10% instead.

 17, 35.945, 6.840  17, 35.945, 6.840

 100, 35.945, 6.840  7, 35.945, 6.840

 37, 35.945, 6.840  0, 35.945, 6.840

 47, 35.945, 6.840

 57, 35.945, 6.840

 67, 35.945, 6.840

 77, 35.945, 6.840

 87, 35.945, 6.840

 97, 35.945, 6.840

 17, 35.945, 6.840  17, 35.945, 6.840

■ 16, 38.397, 9.947

■ 18, 33.427, 3.520

■ 20, 30.216, 0.832

■ 22, 26.422,
358.663

■ 24, 22.228,
356.889

■ 26, 17.810,
355.409

■ 29, 13.310,
354.150

■ 31, 8.831, 353.056

■ 34, 4.439, 352.076

■ 37, 0.176, 349.879

Harmonies

Complementary

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



17, 35.945, 6.840



32, 31.651, 160.183

Rectangle

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



17, 35.945, 6.840



17, 35.945, 56.840



17, 35.945, 186.840



17, 35.945, 236.840

Sweetspot

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



17, 35.943, 6.842



38, 14.649, 353.862



14, 51.009, 315.684



18, 9.782, 354.075



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, 35.943, 6.842



22, 46.309, 11.842



18, 38.669, 37.011



16, 2.391, 351.921



21, 44.781, 11.535



50, 80.367, 15.409

Inverse Universe

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



17, 35.943, 6.842



22, 46.309, 11.842



30, 19.490, 214.535



16, 2.391, 351.921



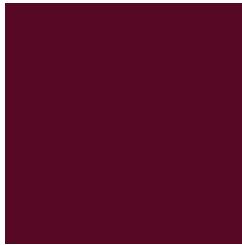
21, 44.781, 11.535



50, 80.367, 15.409

Previews

White Background



This preview shows how the CIELCh color 17, 35.945, 6.840 looks on a white background.

Color Contrast Check

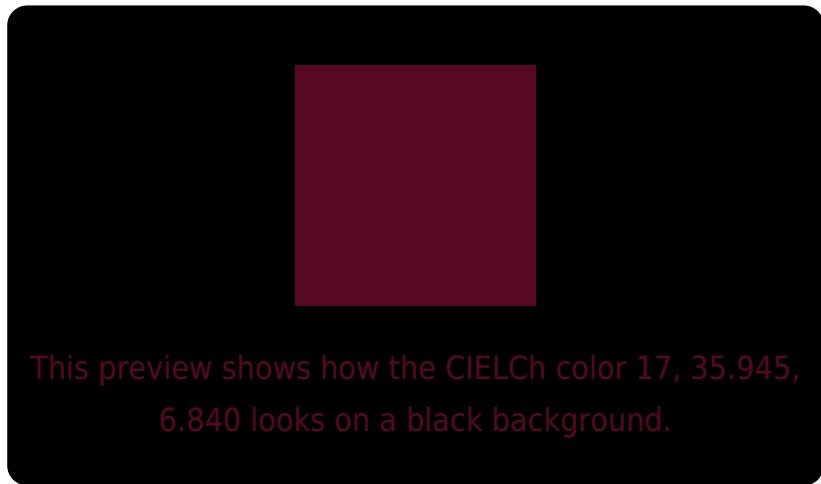
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.945, 6.840

Background



This preview shows how black text looks on a background with the CIELCh color 17, 35.945, 6.840.



This preview shows how white text looks on a background with the CIELCh color 17, 35.945, 6.840.

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, 35.945, 6.840

Protanopia

18, 6.216, 287.666

Deuteranopia

18, 8.130, 68.892



Tritanopia
17, 36.693, 31.510

Trichromacy



Original Color
17, 35.945, 6.840

Protanomaly
16, 16.952, 343.704

Deuteranomaly
16, 18.082, 13.955

Tritanomaly
17, 35.545, 22.549

Monochromacy



Original Color
17, 35.945, 6.840

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 16.085, 356.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 35.945, 6.840 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(86, 8, 37)` looks like.

```
.text, #text, p{  
    color:rgb(86, 8, 37)  
}
```

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(86, 8, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 8, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 35.945, 6.840 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(86, 8, 37) }
```

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

```
.border{ border-color:rgb(86, 8, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 8, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 8, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 8, 37); box-shadow:4px  
4px 4px 4px rgb(86, 8, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 35.945, 6.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 8, 37) }
```

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

```
.background{ background-color: rgb(86, 8,  
37) }
```

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