

Converting Colors

CIELCh(17, 42.018, 37.888)

Have a look what the booklet for
CIELCh(17, 42.018, 37.888) contains.

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Color

CIELCh(17, 41.635, 37.854)

Conversions

Conversions Part 1

Format	Color
Hex	570C01
RGB	87, 12, 1
RGB Percent	34%, 5%, 0%
CMY	0.6583, 0.9523, 0.9954
CMYK	0.00, 0.86, 0.99, 0.66
HSL	8°, 97%, 17%
HSV	8°, 99%, 34%
XYZ	4.0832, 2.3023, 0.2629
YIQ	33.1710, 48.2310, 12.4790

Conversions

Conversions Part 2

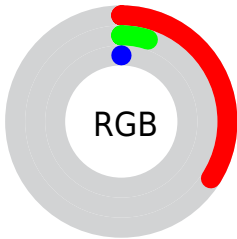
Format	Color
RYB	87, 14, 1
Decimal	5704705
CIELab	17.00, 32.87, 25.55
CIELCh	17, 41.635, 37.854
Yxy	2.3023, 0.6142, 0.3463
Android (android.graphics.Color)	4283894785 (0xFF570C01)
YUV	33.1710, -15.8603, 47.2080
Hunter-Lab	15.1734, 21.4813, 9.5940

Details

The CIELCh color **17, 41.635, 37.854** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **29, 20.068, 217.784**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 41.777, 37.183**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **17, 42.060, 37.958**, and if you desaturate by 10%, it is **18, 38.239, 37.658**.

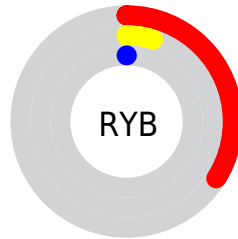
Distribution



Red (34%)

Green (5%)

Blue (0%)



Red (34%)

Yellow (5%)

Blue (0%)

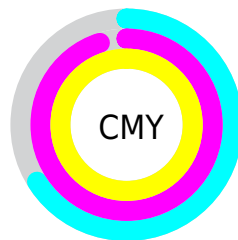


Cyan (0%)

Magenta (86%)

Yellow (99%)

Black (66%)



Cyan (66%)

Magenta (95%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 41.635, 37.854 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, 41.635, 37.854 by changing the saturation by 10% instead.

 17, 41.635, 37.854

 17, 41.635, 37.854

 100, 41.635,
37.854

 7, 41.635, 37.854

 37, 41.635, 37.854

 0, 41.635, 37.854

 47, 41.635, 37.854

 57, 41.635, 37.854

 67, 41.635, 37.854

 77, 41.635, 37.854

 87, 41.635, 37.854

 97, 41.635, 37.854

■ 17, 41.635, 37.854

■ 17, 41.635, 37.854

■ 17, 42.060, 37.958

■ 18, 38.239, 37.658

■ 20, 33.992, 37.228

■ 21, 28.941, 35.678

■ 23, 23.976, 34.395

■ 25, 19.214, 33.400

■ 28, 14.713, 32.660

■ 30, 10.500, 32.129

■ 32, 6.578, 31.760

■ 35, 2.937, 31.484

Harmonies

Complementary

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



17, 41.635, 37.854



29, 20.068, 217.784

Rectangle

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



17, 41.635, 37.854



17, 41.635, 87.854



17, 41.635, 217.854



17, 41.635, 267.854

Sweetspot

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



17, 41.634, 37.857



38, 13.664, 32.236



18, 48.227, 333.001



17, 9.309, 32.360



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, 41.634, 37.857



23, 53.021, 40.284



26, 36.605, 73.453



16, 1.893, 31.487



22, 50.863, 39.936



50, 95.990, 41.429

Inverse Universe

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



29, 20.068, 217.784



38, 24.020, 218.769



15, 37.368, 289.933



17, 1.798, 211.539



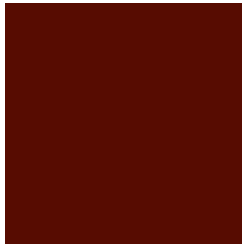
36, 23.248, 218.635



76, 41.169, 220.351

Previews

White Background



This preview shows how the CIELCh color 17, 41.635, 37.854 looks on a white background.

Color Contrast Check

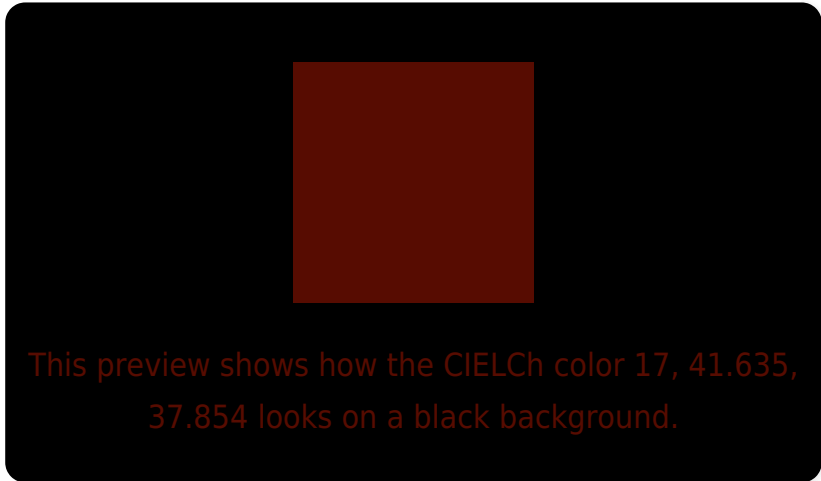
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.635, 37.854

Background



This preview shows how black text looks on a background with the CIELCh color 17, 41.635, 37.854.

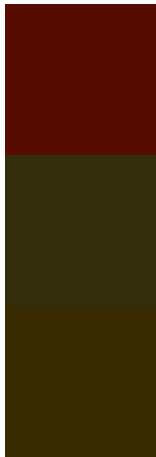


This preview shows how white text looks on a background with the CIELCh color 17, 41.635, 37.854.

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, 41.635, 37.854

Protanopia

18, 21.781, 97.406

Deuteranopia

18, 26.235, 87.664



Tritanopia
17, 39.803, 33.551

Trichromacy



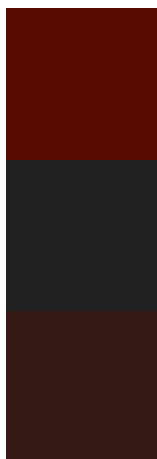
Original Color
17, 41.635, 37.854

Protanomaly
16, 24.890, 59.740

Deuteranomaly
17, 28.529, 59.833

Tritanomaly
17, 40.388, 35.028

Monochromacy



Original Color
17, 41.635, 37.854

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 16.146, 33.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 41.635, 37.854 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(87, 12, 1)` looks like.

```
.text, #text, p{  
    color:rgb(87, 12, 1)  
}
```

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(87, 12, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 12, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 41.635, 37.854 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(87, 12, 1) }
```

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

```
.border{ border-color:rgb(87, 12, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 12, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 12, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 12, 1); box-shadow:4px  
4px 4px 4px rgb(87, 12, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 41.635, 37.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 12, 1) }
```

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

```
.background{ background-color: rgb(87, 12,  
1) }
```

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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