

Converting Colors

CIELCh(17, 38.233, 23.398)

Have a look what the booklet for
CIELCh(17, 38.233, 23.398) contains.

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Color

CIELCh(17, 38.421, 23.513)

Conversions

Conversions Part 1

Format	Color
Hex	580816
RGB	88, 8, 22
RGB Percent	35%, 3%, 9%
CMY	0.6551, 0.9688, 0.9139
CMYK	0.00, 0.91, 0.75, 0.66
HSL	349°, 83%, 19%
HSV	349°, 91%, 34%
XYZ	4.2503, 2.3023, 0.9776
YIQ	33.5160, 43.1860, 21.3140

Conversions

Conversions Part 2

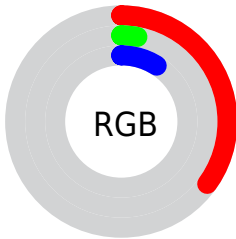
Format	Color
R_{YB}	88, 8, 22
Decimal	5769238
CIE Lab	17.00, 35.23, 15.33
CIE LCh	17, 38.421, 23.513
Yxy	2.3023, 0.5644, 0.3057
Android (android.graphics.Color)	4283959318 (0xFF580816)
YUV	33.5160, -5.6774, 47.7825
Hunter-Lab	15.1734, 23.4470, 6.8015

Details

The CIELCh color **17, 38.421, 23.513** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 26.016, 175.970**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 38.307, 23.824**, and **3, 16.126, 17.972** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.583, 26.038**, and if you desaturate by 10%, it is **18, 34.827, 19.554**.

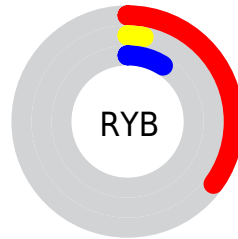
Distribution



Red (35%)

Green (3%)

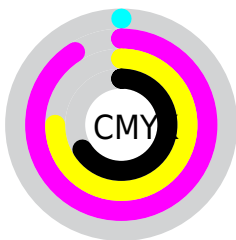
Blue (9%)



Red (35%)

Yellow (3%)

Blue (9%)

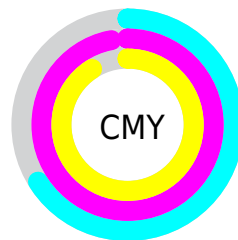


Cyan (0%)

Magenta (91%)

Yellow (75%)

Black (66%)



Cyan (66%)

Magenta (97%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 38.421, 23.513 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, 38.421, 23.513 by changing the saturation by 10% instead.

 17, 38.421, 23.513

 17, 38.421, 23.513

 100, 38.421,
23.513

 7, 38.421, 23.513

 37, 38.421, 23.513

 0, 38.421, 23.513

 47, 38.421, 23.513

 57, 38.421, 23.513

 67, 38.421, 23.513

 77, 38.421, 23.513

 87, 38.421, 23.513

 97, 38.421, 23.513

■ 17, 38.421, 23.513

■ 17, 38.421, 23.513

■ 16, 41.583, 26.038

■ 18, 34.827, 19.554

■ 20, 30.829, 16.242

■ 22, 26.498, 13.567

■ 24, 21.978, 11.417

■ 26, 17.409, 9.676

■ 29, 12.904, 8.249

■ 32, 8.538, 7.056

■ 34, 4.355, 6.027

■ 37, 0.375, 4.477

Harmonies

Complementary

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



17, 38.421, 23.513



33, 26.016, 175.970

Rectangle

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



17, 38.421, 23.513



17, 38.421, 73.513



17, 38.421, 203.513



17, 38.421, 253.513

Sweetspot

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



17, 38.419, 23.515



39, 13.916, 7.861



17, 51.055, 321.823



18, 9.495, 8.117



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, 38.419, 23.515



23, 51.237, 28.749



21, 36.180, 48.899



16, 2.184, 5.810



21, 48.584, 28.249



49, 89.435, 32.114

Inverse Universe

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



17, 38.419, 23.515



23, 51.237, 28.749



25, 20.964, 251.713



16, 2.184, 5.810



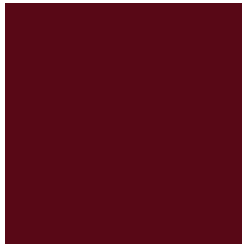
21, 48.584, 28.249



49, 89.435, 32.114

Previews

White Background



This preview shows how the CIELCh color 17, 38.421, 23.513 looks on a white background.

Color Contrast Check

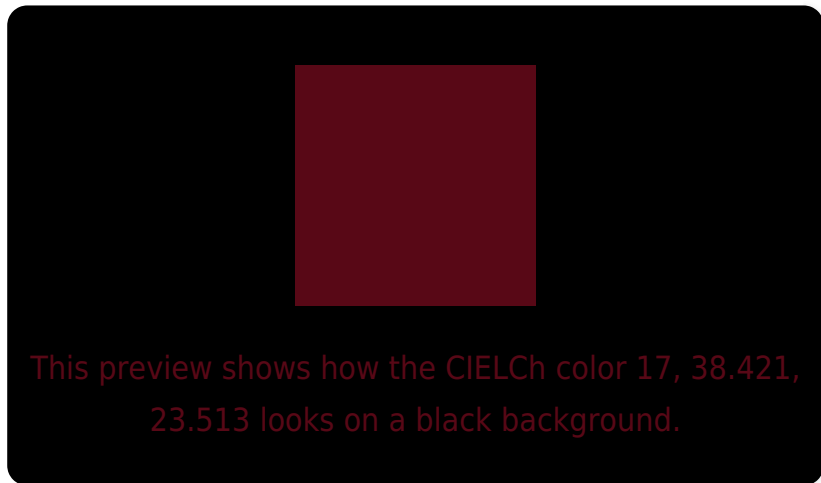
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.421, 23.513

Background



This preview shows how black text looks on a background with the CIELCh color 17, 38.421, 23.513.



This preview shows how white text looks on a background with the CIELCh color 17, 38.421, 23.513.

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, 38.421, 23.513

Protanopia

18, 8.339, 97.406

Deuteranopia

18, 19.038, 83.119



Tritanopia
17, 40.456, 33.272

Trichromacy



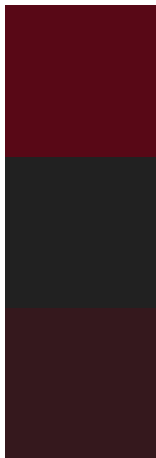
Original Color
17, 38.421, 23.513

Protanomaly
16, 16.914, 30.583

Deuteranomaly
17, 23.385, 42.604

Tritanomaly
17, 39.829, 30.646

Monochromacy



Original Color
17, 38.421, 23.513

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 15.449, 11.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 38.421, 23.513 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(88, 8, 22)` looks like.

```
.text, #text, p{  
    color:rgb(88, 8, 22)  
}
```

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(88, 8, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 8, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 38.421, 23.513 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(88, 8, 22) }
```

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

```
.border{ border-color:rgb(88, 8, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 8, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 8, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 8, 22); box-shadow:4px  
4px 4px 4px rgb(88, 8, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 38.421, 23.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 8, 22) }
```

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

```
.background{ background-color: rgb(88, 8,  
22) }
```

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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