

Converting Colors

CIELCh(16, 41.643, 24.723)

Have a look what the booklet for
CIELCh(16, 41.643, 24.723) contains.

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Color

CIELCh(16, 41.293, 24.938)

Conversions

Conversions Part 1

Format	Color
Hex	580011
RGB	88, 0, 17
RGB Percent	35%, 0%, 7%
CMY	0.6558, 1.0000, 0.9341
CMYK	0.00, 1.00, 0.81, 0.66
HSL	349°, 100%, 17%
HSV	349°, 100%, 34%
XYZ	4.1013, 2.0993, 0.7114
YIQ	28.2500, 46.9910, 23.9430

Conversions

Conversions Part 2

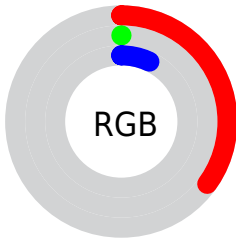
Format	Color
RYB	88, 0, 17
Decimal	5767185
CIELab	16.00, 37.44, 17.41
CIELCh	16, 41.293, 24.938
Yxy	2.0993, 0.5934, 0.3037
Android (android.graphics.Color)	4283957265 (0xFF580011)
YUV	28.2500, -5.5462, 52.4008
Hunter-Lab	14.4890, 25.1714, 7.2312

Details

The CIELCh color **16, 41.293, 24.938** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 27.775, 173.176**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.380, 24.964**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.243, 25.016**, and if you desaturate by 10%, it is **17, 37.751, 21.841**.

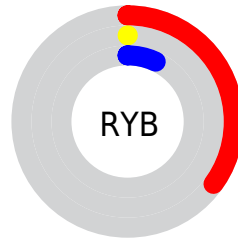
Distribution



Red (35%)

Green (0%)

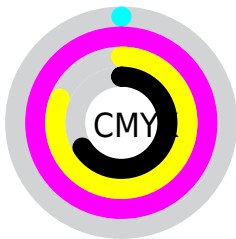
Blue (7%)



Red (35%)

Yellow (0%)

Blue (7%)

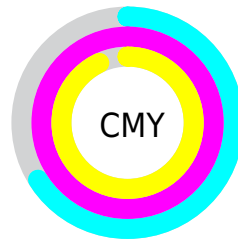


Cyan (0%)

Magenta (100%)

Yellow (81%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.293, 24.938 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 16, 41.293, 24.938 by changing the saturation by 10% instead.

 16, 41.293, 24.938

 16, 41.293, 24.938

 100, 41.293,
24.938

 6, 41.293, 24.938

 36, 41.293, 24.938

 0, 41.293, 24.938

 46, 41.293, 24.938

 56, 41.293, 24.938

 66, 41.293, 24.938

 76, 41.293, 24.938

 86, 41.293, 24.938

 96, 41.293, 24.938

■ 16, 41.293, 24.938

■ 16, 41.293, 24.938

■ 16, 41.243, 25.016

■ 17, 37.751, 21.841

■ 18, 34.241, 17.923

■ 20, 30.292, 14.695

■ 22, 26.001, 12.092

■ 24, 21.516, 9.997

■ 26, 16.976, 8.295

■ 29, 12.495, 6.894

■ 32, 8.147, 5.715

■ 34, 3.976, 4.690

Harmonies

Complementary

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



16, 41.293, 24.938



33, 27.775, 173.176

Rectangle

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



16, 41.293, 24.938



16, 41.293, 74.938



16, 41.293, 204.938



16, 41.293, 254.938

Sweetspot

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



16, 41.243, 25.016



38, 15.616, 7.023



16, 54.016, 321.215



18, 10.797, 7.382



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 41.243, 25.016



23, 50.732, 27.531



19, 39.557, 46.719



16, 2.196, 4.567



21, 48.126, 27.052



49, 88.460, 30.976

Inverse Universe

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



16, 41.243, 25.016



23, 50.732, 27.531



24, 21.790, 251.961



16, 2.196, 4.567



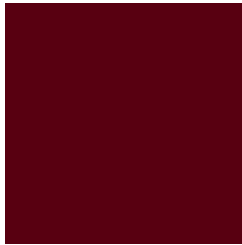
21, 48.126, 27.052



49, 88.460, 30.976

Previews

White Background



This preview shows how the CIELCh color 16, 41.293, 24.938 looks on a white background.

Color Contrast Check

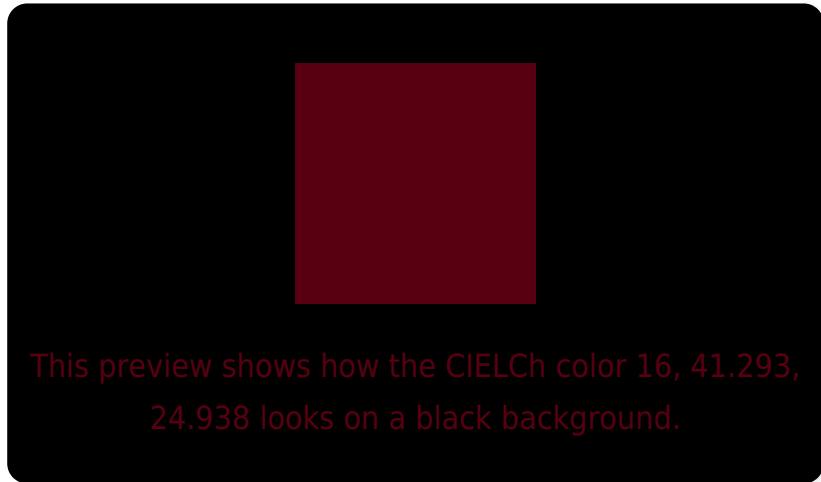
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 41.293, 24.938

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.293, 24.938.

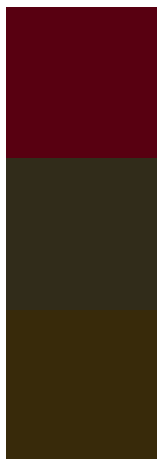


This preview shows how white text looks on a background with the CIELCh color 16, 41.293, 24.938.

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

16, 41.293, 24.938

Protanopia

18, 12.556, 94.672

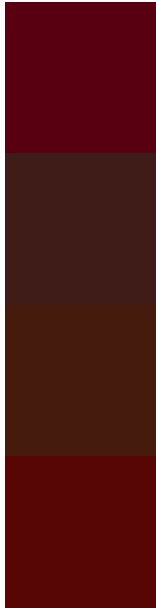
Deuteranopia

18, 22.005, 83.725



Tritanopia
17, 42.969, 36.825

Trichromacy



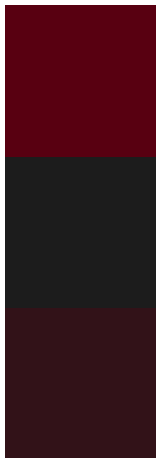
Original Color
16, 41.293, 24.938

Protanomaly
15, 19.962, 34.375

Deuteranomaly
16, 26.292, 45.007

Tritanomaly
16, 42.293, 32.937

Monochromacy



Original Color
16, 41.293, 24.938

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.321, 11.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.293, 24.938 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, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 17)  
}
```

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, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.293, 24.938 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, 0, 17) }
```

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

```
.border{ border-color:rgb(88, 0, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 17); box-shadow:4px  
4px 4px 4px rgb(88, 0, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.293, 24.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 17) }
```

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

```
.background{ background-color: rgb(88, 0,  
17) }
```

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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