

Converting Colors

CIELCh(16, 41.180, 22.920)

Have a look what the booklet for
CIELCh(16, 41.180, 22.920) contains.

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Color

CIELCh(16, 40.893, 23.391)

Conversions

Conversions Part 1

Format	Color
Hex	580013
RGB	88, 0, 19
RGB Percent	35%, 0%, 7%
CMY	0.6561, 1.0000, 0.9265
CMYK	0.00, 1.00, 0.79, 0.66
HSL	347°, 100%, 17%
HSV	347°, 100%, 34%
XYZ	4.1076, 2.0993, 0.7936
YIQ	28.4780, 46.3490, 24.5650

Conversions

Conversions Part 2

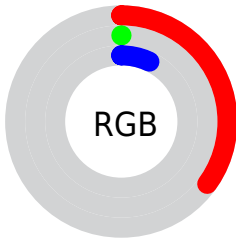
Format	Color
R_{YB}	88, 0, 19
Decimal	5767187
CIE Lab	16.00, 37.53, 16.23
CIE LCh	16, 40.893, 23.391
Yxy	2.0993, 0.5868, 0.2999
Android (android.graphics.Color)	4283957267 (0xFF580013)
YUV	28.4780, -4.6727, 52.2008
Hunter-Lab	14.4890, 25.2486, 6.8947

Details

The CIELCh color **16, 40.893, 23.391** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 28.493, 171.016**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.033, 23.338**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 40.820, 23.499**, and if you desaturate by 10%, it is **17, 37.385, 20.041**.

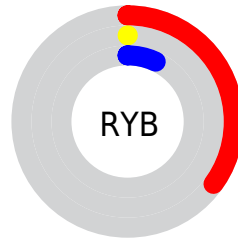
Distribution



Red (35%)

Green (0%)

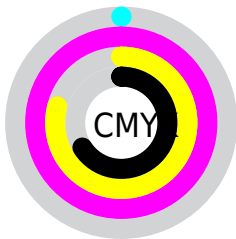
Blue (7%)



Red (35%)

Yellow (0%)

Blue (7%)

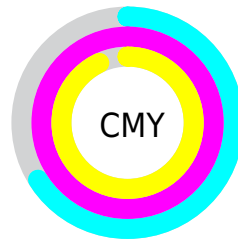


Cyan (0%)

Magenta (100%)

Yellow (79%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 40.893, 23.391 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, 40.893, 23.391 by changing the saturation by 10% instead.

 16, 40.893, 23.391

 16, 40.893, 23.391

 100, 40.893,
23.391

 6, 40.893, 23.391

 36, 40.893, 23.391

 0, 40.893, 23.391

 46, 40.893, 23.391

 56, 40.893, 23.391

 66, 40.893, 23.391

 76, 40.893, 23.391

 86, 40.893, 23.391

 96, 40.893, 23.391

■ 16, 40.893, 23.391

■ 16, 40.893, 23.391

■ 16, 40.820, 23.499

■ 17, 37.385, 20.041

■ 18, 34.018, 16.145

■ 20, 30.180, 12.949

■ 22, 25.968, 10.375

■ 24, 21.533, 8.300

■ 26, 17.021, 6.611

■ 29, 12.549, 5.212

■ 32, 8.195, 4.032

■ 34, 4.005, 3.000

Harmonies

Complementary

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



16, 40.893, 23.391



33, 28.493, 171.016

Rectangle

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



16, 40.893, 23.391



16, 40.893, 73.391



16, 40.893, 203.391



16, 40.893, 253.391

Sweetspot

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



16, 40.820, 23.499



38, 15.694, 5.342



15, 54.097, 320.671



18, 10.846, 5.701



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, 40.820, 23.499



23, 50.071, 25.785



19, 39.793, 45.648



16, 2.214, 2.876



21, 47.513, 25.299



49, 87.145, 29.314

Inverse Universe

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



16, 40.820, 23.499



23, 50.071, 25.785



24, 21.332, 248.869



16, 2.214, 2.876



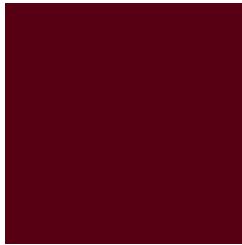
21, 47.513, 25.299



49, 87.145, 29.314

Previews

White Background



This preview shows how the CIELCh color 16, 40.893, 23.391 looks on a white background.

Color Contrast Check

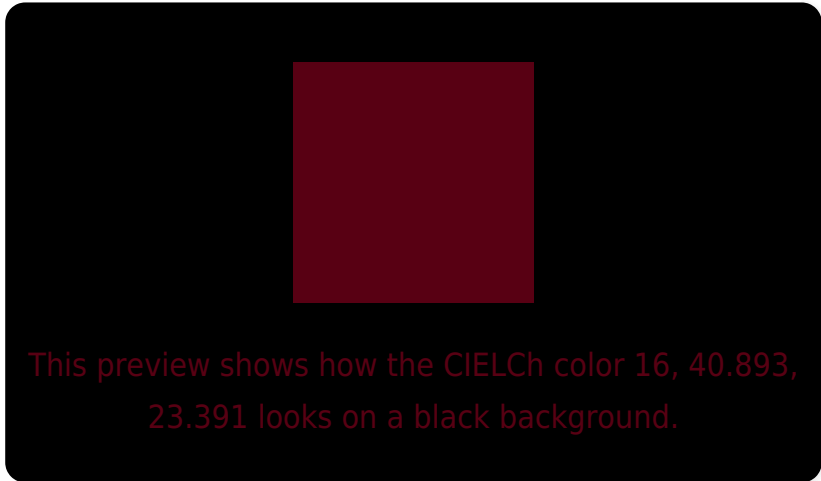
Large Text (above 18pt) WCAG AA ✓ Pass

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

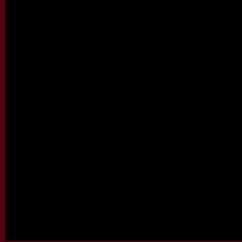
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 40.893, 23.391

Background



This preview shows how black text looks on a background with the CIELCh color 16, 40.893, 23.391.

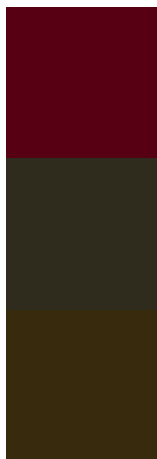


This preview shows how white text looks on a background with the CIELCh color 16, 40.893, 23.391.

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, 40.893, 23.391

Protanopia

18, 10.469, 95.899

Deuteranopia

18, 20.749, 82.750



Tritanopia
17, 41.884, 35.340

Trichromacy



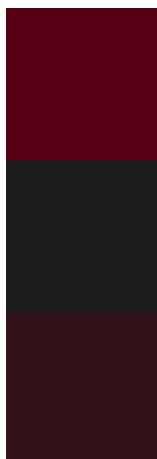
Original Color
16, 40.893, 23.391

Protanomaly
15, 18.871, 30.756

Deuteranomaly
16, 25.439, 42.444

Tritanomaly
16, 41.296, 31.313

Monochromacy



Original Color
16, 40.893, 23.391

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.321, 9.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 40.893, 23.391 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 40.893, 23.391 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, 19) }
```

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

```
.border{ border-color:rgb(88, 0, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 19); box-shadow:4px  
4px 4px 4px rgb(88, 0, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 40.893, 23.391 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, 19) }
```

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

```
.background{ background-color: rgb(88, 0,  
19) }
```

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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