

Converting Colors

CIELCh(18, 40.903, 359.907)

Have a look what the booklet for
CIELCh(18, 40.903, 359.907)
contains.

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Color

CIELCh(18, 40.672, 0.350)

Conversions

Conversions Part 1

Format	Color
Hex	5D002D
RGB	93, 0, 45
RGB Percent	36%, 0%, 18%
CMY	0.6352, 0.9999, 0.8235
CMYK	0.00, 1.00, 0.52, 0.64
HSL	331°, 100%, 18%
HSV	331°, 100%, 36%
XYZ	4.9901, 2.5180, 2.7070
YIQ	32.9370, 40.9830, 33.7110

Conversions

Conversions Part 2

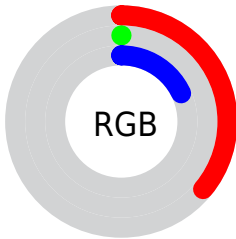
Format	Color
R _Y B	93, 0, 45
Decimal	6094893
CIE Lab	18.00, 40.67, 0.25
CIE LCh	18, 40.672, 0.350
Yxy	2.5180, 0.4885, 0.2465
Android (android.graphics.Color)	4284284973 (0xFF5D002D)
YUV	32.9370, 5.9471, 52.6753
Hunter-Lab	15.8683, 28.3627, 0.9935

Details

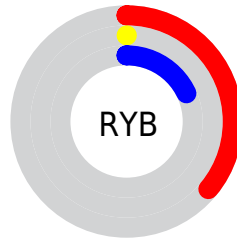
The CIELCh color **18, 40.672, 0.350** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 40.484, 151.677**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 40.567, 1.016**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 40.676, 0.359**, and if you desaturate by 10%, it is **19, 38.623, 357.564**.

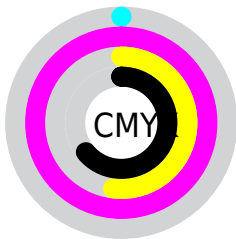
Distribution



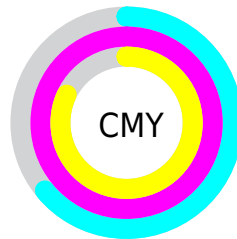
- Red (36%)
- Green (0%)
- Blue (18%)



- Red (36%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (64%)



- Cyan (64%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 40.672, 0.350 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 18, 40.672, 0.350 by changing the saturation by 10% instead.

 18, 40.672, 0.350  18, 40.672, 0.350

 100, 40.672, 0.350  8, 40.672, 0.350

 38, 40.672, 0.350  0, 40.672, 0.350

 48, 40.672, 0.350

 58, 40.672, 0.350

 68, 40.672, 0.350

 78, 40.672, 0.350

 88, 40.672, 0.350

 98, 40.672, 0.350

 18, 40.672, 0.350  18, 40.672, 0.350

18, 40.676, 0.359

19, 38.623,
357.564

20, 36.353,
354.877

22, 33.150,
352.713

24, 29.186,
350.946

26, 24.681,
349.474

28, 19.846,
348.219

31, 14.853,
347.127

34, 9.827, 346.156

37, 4.855, 345.268

Harmonies

Complementary

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



18, 40.672, 0.350



34, 40.484, 151.677

Rectangle

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



18, 40.672, 0.350



18, 40.672, 50.350



18, 40.672, 180.350



18, 40.672, 230.350

Sweetspot

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



18, 40.670, 0.351



40, 18.325, 347.223



12, 59.268, 312.662



19, 12.614, 347.518



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 40.670, 0.351



25, 48.512, 1.736



17, 46.584, 34.658



17, 2.695, 345.167



22, 45.570, 1.281



51, 79.986, 4.333

Inverse Universe

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



18, 40.670, 0.351



25, 48.512, 1.736



35, 23.974, 196.387



17, 2.695, 345.167



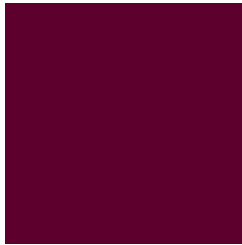
22, 45.570, 1.281



51, 79.986, 4.333

Previews

White Background



This preview shows how the CIE LCh color 18, 40.672, 0.350 looks on a white background.

Color Contrast Check

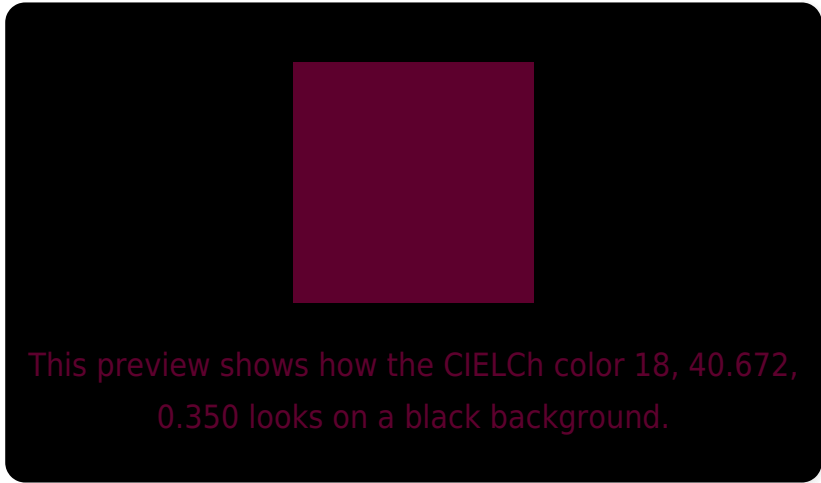
Large Text (above 18pt) WCAG AA ✓ Pass

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

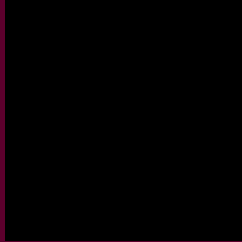
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 40.672, 0.350

Background



This preview shows how black text looks on a background with the CIELCh color 18, 40.672, 0.350.



This preview shows how white text looks on a background with the CIELCh color 18, 40.672, 0.350.

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

18, 40.672, 0.350

Protanopia

20, 11.678, 282.987

Deuteranopia

20, 5.660, 56.760



Tritanopia
19, 38.962, 31.891

Trichromacy



Original Color
18, 40.672, 0.350

Protanomaly
17, 22.403, 329.754

Deuteranomaly
17, 20.887, 1.134

Tritanomaly
18, 38.241, 19.788

Monochromacy



Original Color
18, 40.672, 0.350

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 19.416, 351.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 40.672, 0.350 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(93, 0, 45)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 45)  
}
```

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(93, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 40.672, 0.350 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(93, 0, 45) }
```

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

```
.border{ border-color:rgb(93, 0, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 0, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 0, 45); box-shadow:4px  
4px 4px 4px rgb(93, 0, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 40.672, 0.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 45) }
```

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

```
.background{ background-color: rgb(93, 0,  
45) }
```

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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