

Converting Colors

CIELCh(18, 42.480, 348.722)

Have a look what the booklet for
CIELCh(18, 42.480, 348.722)
contains.

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Color

CIELCh(18, 42.258, 348.599)

Conversions

Conversions Part 1

Format	Color
Hex	5B0039
RGB	91, 0, 57
RGB Percent	36%, 0%, 22%
CMY	0.6432, 1.0000, 0.7765
CMYK	0.00, 1.00, 0.37, 0.64
HSL	322°, 100%, 18%
HSV	322°, 100%, 36%
XYZ	5.0505, 2.5180, 4.0887
YIQ	33.7070, 35.9390, 37.0190

Conversions

Conversions Part 2

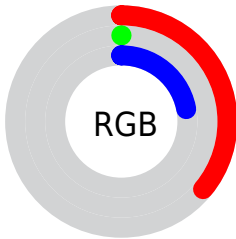
Format	Color
RYB	91, 0, 57
Decimal	5963833
CIELab	18.00, 41.42, -8.35
CIELCh	18, 42.258, 348.599
Yxy	2.5180, 0.4332, 0.2160
Android (android.graphics.Color)	4284153913 (0xFF5B0039)
YUV	33.7070, 11.4834, 50.2460
Hunter-Lab	15.8683, 29.0426, -4.1692

Details

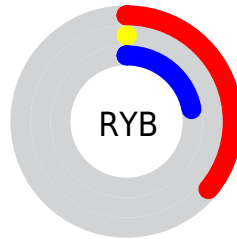
The CIELCh color **18, 42.258, 348.599** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 45.503, 145.310**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.165, 348.786**, and **5, 22.050, 6.020** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.252, 348.601**, and if you desaturate by 10%, it is **19, 40.385, 346.836**.

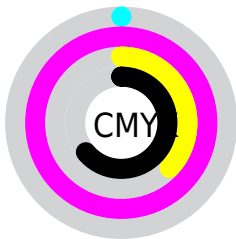
Distribution



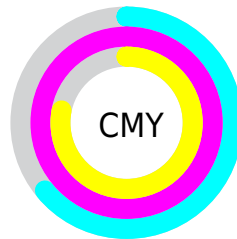
- Red (36%)
- Green (0%)
- Blue (22%)



- Red (36%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (64%)





- Cyan (64%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.258, 348.599 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, 42.258, 348.599 by changing the saturation by 10% instead.

 18, 42.258,
348.599


 18, 42.258,
348.599

 100, 42.258,
348.599

 8, 42.258, 348.599


 38, 42.258,
348.599

 0, 42.258, 348.599

 48, 42.258,
348.599

 58, 42.258,
348.599


 68, 42.258,
348.599


 78, 42.258,
348.599


 88, 42.258,


348.599


 98, 42.258,
348.599


 18, 42.258,
348.599

 18, 42.258,
348.599


 18, 42.252,
348.601

 19, 40.385,
346.836

 20, 38.229,
345.118

 22, 35.038,
343.687

 24, 30.997,
342.469

 26, 26.334,
341.407

■ 28, 21.270,
340.461

■ 31, 15.987,
339.603

■ 33, 10.623,
338.812

■ 36, 5.274, 338.066

Harmonies

Complementary

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



18, 42.258, 348.599



33, 45.503, 145.310

Rectangle

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



18, 42.258, 348.599



18, 42.258, 38.599



18, 42.258, 168.599



18, 42.258, 218.599

Sweetspot

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



18, 42.252, 348.601



39, 19.712, 339.680



10, 59.923, 310.040



18, 13.311, 339.898



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 42.252, 348.601



25, 50.235, 349.469



17, 43.470, 28.784



17, 2.974, 337.980



23, 47.948, 349.254



52, 83.513, 351.161

Inverse Universe

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



18, 42.252, 348.601



25, 50.235, 349.469



34, 26.671, 179.248



17, 2.974, 337.980



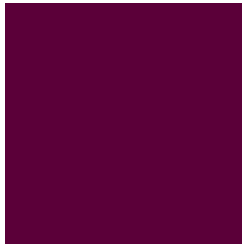
23, 47.948, 349.254



52, 83.513, 351.161

Previews

White Background



This preview shows how the CIELCh color 18, 42.258, 348.599 looks on a white background.

Color Contrast Check

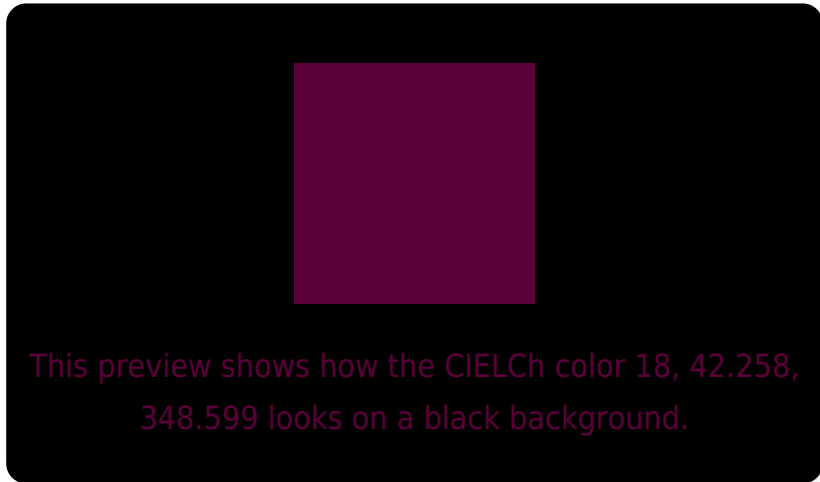
Large Text (above 18pt) WCAG AA ✓ Pass

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

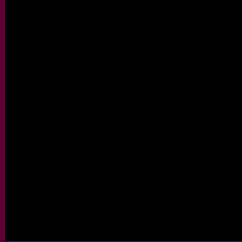
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 42.258, 348.599

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.258, 348.599.



This preview shows how white text looks on a background with the CIELCh color 18, 42.258, 348.599.

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, 42.258, 348.599

Protanopia

20, 23.949, 285.454

Deuteranopia

20, 4.501, 315.050



Tritanopia
19, 34.798, 29.932

Trichromacy



Original Color
18, 42.258, 348.599

Protanomaly
17, 30.962, 314.232

Deuteranomaly
17, 22.507, 339.580

Tritanomaly
19, 35.518, 13.173

Monochromacy



Original Color
18, 42.258, 348.599

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 20.344, 343.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.258, 348.599 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(91, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 57)  
}
```

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(91, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.258, 348.599 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(91, 0, 57) }
```

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

```
.border{ border-color:rgb(91, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(91, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 57); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 57); box-shadow:4px  
4px 4px 4px rgb(91, 0, 57) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.258, 348.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 57) }
```

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

```
.background{ background-color: rgb(91, 0,  
57) }
```

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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