

Converting Colors

CIELCh(18, 42.726, 347.904)

Have a look what the booklet for
CIELCh(18, 42.726, 347.904)
contains.

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Color

CIELCh(18, 42.503, 347.786)

Conversions

Conversions Part 1

Format	Color
Hex	5B003A
RGB	91, 0, 58
RGB Percent	36%, 0%, 23%
CMY	0.6437, 1.0000, 0.7730
CMYK	0.00, 1.00, 0.36, 0.64
HSL	322°, 100%, 18%
HSV	322°, 100%, 36%
XYZ	5.0599, 2.5180, 4.2068
YIQ	33.8210, 35.6180, 37.3300

Conversions

Conversions Part 2

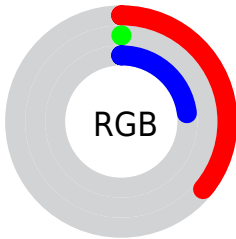
Format	Color
R_{YB}	91, 0, 58
Decimal	5963834
CIE Lab	18.00, 41.54, -8.99
CIE LCh	18, 42.503, 347.786
Yxy	2.5180, 0.4294, 0.2137
Android (android.graphics.Color)	4284153914 (0xFF5B003A)
YUV	33.8210, 11.9202, 50.1460
Hunter-Lab	15.8683, 29.1485, -4.6105

Details

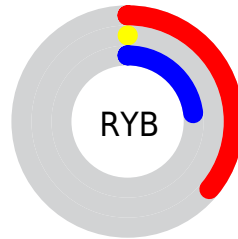
The CIELCh color **18, 42.503, 347.786** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 45.866, 144.905**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.417, 348.063**, and **5, 22.232, 3.545** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.454, 347.804**, and if you desaturate by 10%, it is **19, 40.585, 346.110**.

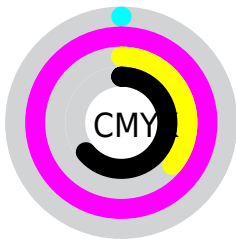
Distribution



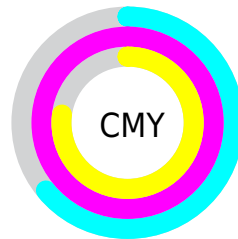
- Red (36%)
- Green (0%)
- Blue (23%)



- Red (36%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (64%)



- Cyan (64%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.503, 347.786 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, 42.503, 347.786 by changing the saturation by 10% instead.

 18, 42.503,
347.786

 18, 42.503,
347.786

 100, 42.503,
347.786

 8, 42.503, 347.786


 38, 42.503,
347.786

 0, 42.503, 347.786

 48, 42.503,
347.786

 58, 42.503,
347.786


 68, 42.503,
347.786

 78, 42.503,
347.786


 88, 42.503,


347.786

 98, 42.503,
347.786


 18, 42.503,
347.786


 18, 42.503,
347.786


 18, 42.454,
347.804

 19, 40.585,
346.110

 20, 38.423,
344.458

 22, 35.223,
343.076

 24, 31.166,
341.896

 26, 26.484,
340.863

■ 28, 21.396,
339.938

■ 30, 16.085,
339.096

■ 33, 10.691,
338.317

■ 36, 5.309, 337.581

Harmonies

Complementary

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



18, 42.503, 347.786



33, 45.866, 144.905

Rectangle

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



18, 42.503, 347.786



18, 42.503, 37.786



18, 42.503, 167.786



18, 42.503, 217.786

Sweetspot

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



18, 42.454, 347.804



39, 19.853, 339.171



9, 60.056, 309.763



18, 13.406, 339.386



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, 42.454, 347.804



25, 50.517, 348.639



17, 43.136, 27.918



17, 2.997, 337.496



23, 48.218, 348.432



52, 83.971, 350.256

Inverse Universe

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



18, 42.454, 347.804



25, 50.517, 348.639



34, 27.146, 177.402



17, 2.997, 337.496



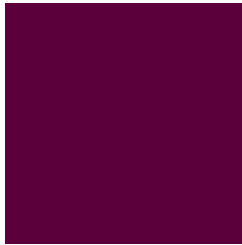
23, 48.218, 348.432



52, 83.971, 350.256

Previews

White Background



This preview shows how the CIE LCh color 18, 42.503, 347.786 looks on a white background.

Color Contrast Check

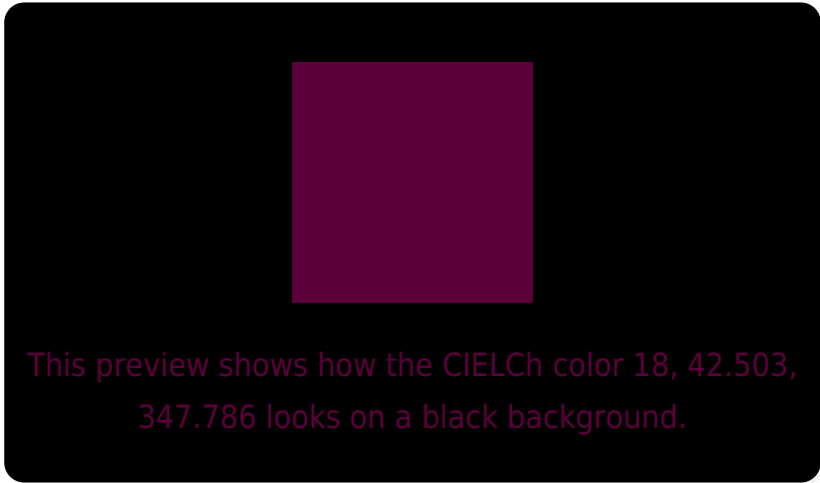
Large Text (above 18pt) WCAG AA ✓ Pass

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

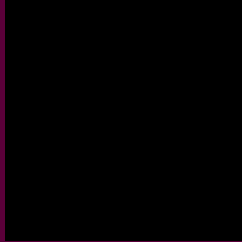
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 42.503, 347.786

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.503, 347.786.



This preview shows how white text looks on a background with the CIELCh color 18, 42.503, 347.786.

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, 42.503, 347.786

Protanopia

20, 24.640, 285.307

Deuteranopia

20, 4.983, 307.065



Tritanopia
19, 34.527, 28.932

Trichromacy



Original Color
18, 42.503, 347.786

Protanomaly
17, 31.519, 313.155

Deuteranomaly
17, 22.657, 337.279

Tritanomaly
19, 35.450, 12.074

Monochromacy



Original Color
18, 42.503, 347.786

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 20.725, 341.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.503, 347.786 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.503, 347.786 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, 58) }
```

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

```
.border{ border-color:rgb(91, 0, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 58); box-shadow:4px  
4px 4px 4px rgb(91, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.503, 347.786 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, 58) }
```

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

```
.background{ background-color: rgb(91, 0,  
58) }
```

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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