

Converting Colors

CIELCh(18, 46.290, 337.660)

Have a look what the booklet for
CIELCh(18, 46.290, 337.660)
contains.

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Color

CIELCh(18, 45.909, 337.543)

Conversions

Conversions Part 1

Format	Color
Hex	580046
RGB	88, 0, 70
RGB Percent	35%, 0%, 27%
CMY	0.6548, 0.9999, 0.7254
CMYK	0.00, 1.00, 0.20, 0.65
HSL	312°, 100%, 17%
HSV	312°, 100%, 35%
XYZ	5.1318, 2.5180, 6.0118
YIQ	34.2920, 29.9780, 40.4260

Conversions

Conversions Part 2

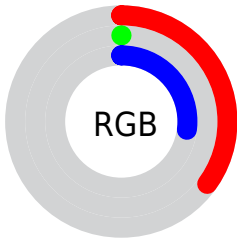
Format	Color
R_{YB}	88, 0, 70
Decimal	5767238
CIE _{Lab}	18.00, 42.43, -17.54
CIE _{LCh}	18, 45.909, 337.543
Yxy	2.5180, 0.3756, 0.1843
Android (android.graphics.Color)	4283957318 (0xFF580046)
YUV	34.2920, 17.6040, 47.1019
Hunter-Lab	15.8683, 29.9573, -11.3546

Details

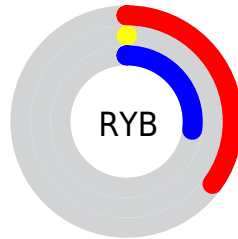
The CIELCh color **18, 45.909, 337.543** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **32, 50.078, 140.053**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 45.902, 337.315**, and **5, 24.116, 343.444** is the 20% darker color. If you saturate the color by 10%, you get **18, 45.912, 337.545**, and if you desaturate by 10%, it is **19, 43.812, 336.726**.

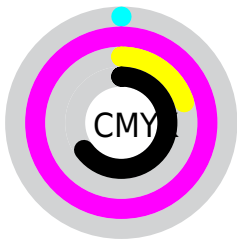
Distribution



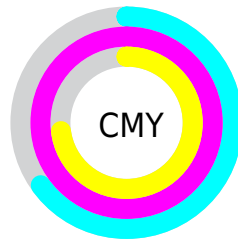
- Red (35%)
- Green (0%)
- Blue (27%)



- Red (35%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (65%)





- Cyan (65%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 45.909, 337.543 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, 45.909, 337.543 by changing the saturation by 10% instead.

 18, 45.909,
337.543


 18, 45.909,
337.543


 100, 45.909,
337.543


 8, 45.909, 337.543


 38, 45.909,
337.543

 0, 45.909, 337.543

 48, 45.909,
337.543


 58, 45.909,
337.543


 68, 45.909,
337.543


 78, 45.909,
337.543


 88, 45.909,

337.543


 98, 45.909,
337.543


 18, 45.909,
337.543


 18, 45.909,
337.543


 18, 45.912,
337.545

 19, 43.812,
336.726

 20, 41.421,
335.900

 21, 37.970,
335.142

 23, 33.631,
334.430

 25, 28.625,
333.750

■ 27, 23.171,
333.094

■ 30, 17.454,
332.458

■ 32, 11.621,
331.839

■ 35, 5.775, 331.231

Harmonies

Complementary

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



18, 45.909, 337.543



32, 50.078, 140.053

Rectangle

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



18, 45.909, 337.543



18, 45.909, 27.543



18, 45.909, 157.543



18, 45.909, 207.543

Sweetspot

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



18, 45.907, 337.543



39, 21.734, 332.522



7, 60.146, 307.790



18, 14.935, 332.691



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, 45.907, 337.543



25, 55.048, 337.922



16, 39.543, 16.431



16, 3.197, 331.156



23, 52.476, 337.831



53, 92.384, 338.629

Inverse Universe

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



18, 45.907, 337.543



25, 55.048, 337.922



33, 31.643, 163.620



16, 3.197, 331.156



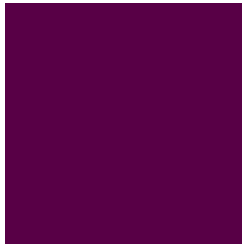
23, 52.476, 337.831



53, 92.384, 338.629

Previews

White Background



This preview shows how the CIELCh color 18, 45.909, 337.543 looks on a white background.

Color Contrast Check

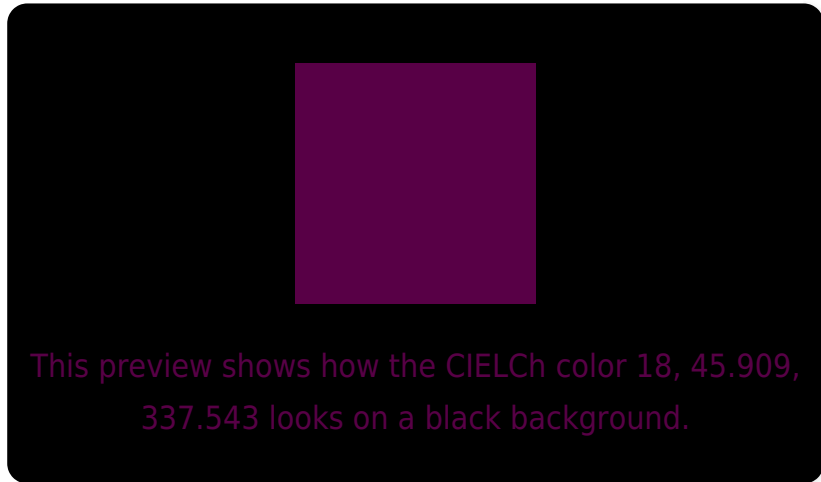
Large Text (above 18pt) WCAG AA ✓ Pass

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

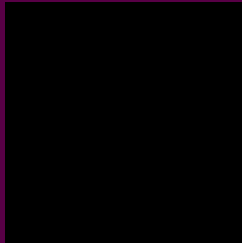
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 45.909, 337.543

Background



This preview shows how black text looks on a background with the CIELCh color 18, 45.909, 337.543.



This preview shows how white text looks on a background with the CIELCh color 18, 45.909, 337.543.

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, 45.909, 337.543

Protanopia
19, 36.416, 284.511

Deuteranopia
20, 12.342, 283.751



Tritanopia
19, 29.732, 26.674

Trichromacy



Original Color
18, 45.909, 337.543

Protanomaly
15, 41.134, 300.963

Deuteranomaly
17, 26.996, 320.146

Tritanomaly
18, 33.033, 2.199

Monochromacy



Original Color
18, 45.909, 337.543

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 22.184, 334.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 45.909, 337.543 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 45.909, 337.543 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, 70) }
```

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

```
.border{ border-color:rgb(88, 0, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 70); box-shadow:4px  
4px 4px 4px rgb(88, 0, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 45.909, 337.543 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, 70) }
```

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

```
.background{ background-color: rgb(88, 0,  
70) }
```

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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