

Converting Colors

CIELCh(15, 41.134, 340.667)

Have a look what the booklet for
CIELCh(15, 41.134, 340.667)
contains.

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Color

CIELCh(15, 40.930, 340.288)

Conversions

Conversions Part 1

Format	Color
Hex	4E003A
RGB	78, 0, 58
RGB Percent	31%, 0%, 23%
CMY	0.6950, 1.0000, 0.7733
CMYK	0.00, 1.00, 0.26, 0.70
HSL	315°, 100%, 15%
HSV	315°, 100%, 30%
XYZ	3.8794, 1.9086, 4.1402
YIQ	29.9340, 27.8700, 34.5740

Conversions

Conversions Part 2

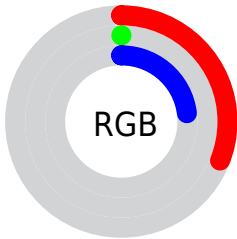
Format	Color
R_{YB}	78, 0, 58
Decimal	5111866
CIE _{Lab}	15.00, 38.53, -13.81
CIE _{LCh}	15, 40.930, 340.288
Yxy	1.9086, 0.3907, 0.1922
Android (android.graphics.Color)	4283301946 (0xFF4E003A)
YUV	29.9340, 13.8365, 42.1539
Hunter-Lab	13.8151, 25.9478, -8.0976

Details

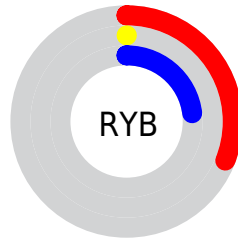
The CIELCh color **15, 40.930, 340.288** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 44.142, 141.856**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 40.973, 340.373**, and **2, 11.943, 352.810** is the 20% darker color. If you saturate the color by 10%, you get **15, 40.841, 340.306**, and if you desaturate by 10%, it is **16, 38.651, 339.336**.

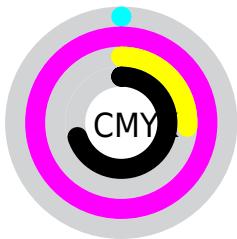
Distribution



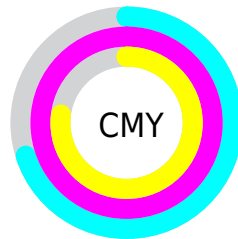
- Red (31%)
- Green (0%)
- Blue (23%)



- Red (31%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (70%)





- Cyan (70%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 40.930, 340.288 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 15, 40.930, 340.288 by changing the saturation by 10% instead.

 15, 40.930,
340.288

 15, 40.930,
340.288

 100, 40.930,
340.288

 5, 40.930, 340.288

 35, 40.930,
340.288

 0, 40.930, 340.288

 45, 40.930,
340.288

 55, 40.930,
340.288

 65, 40.930,
340.288

 75, 40.930,
340.288


 85, 40.930,


340.288


 95, 40.930,
340.288


 15, 40.930,
340.288


 15, 40.930,
340.288


 15, 40.841,
340.306

 16, 38.651,
339.336

 17, 36.399,
338.325

 18, 33.280,
337.420

 20, 29.412,
336.598

 22, 24.990,
335.836

■ 24, 20.203,
335.119

■ 26, 15.206,
334.438

■ 28, 10.120,
333.787

■ 31, 5.033, 333.154

Harmonies

Complementary

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



15, 40.930, 340.288



28, 44.142, 141.856

Rectangle

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



15, 40.930, 340.288



15, 40.930, 30.288



15, 40.930, 160.288



15, 40.930, 210.288

Sweetspot

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



15, 40.841, 340.306



34, 19.028, 334.513



6, 54.184, 308.182



15, 12.813, 334.661



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 40.841, 340.306



21, 48.950, 340.886



14, 36.764, 19.360



14, 2.768, 333.067



51, 87.509, 342.066

Inverse Universe

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



15, 40.841, 340.306



21, 48.950, 340.886



29, 27.259, 168.115



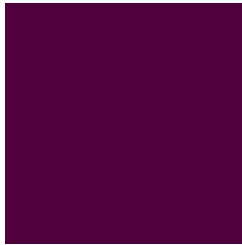
14, 2.768, 333.067



51, 87.509, 342.066

Previews

White Background



This preview shows how the CIELCh color 15, 40.930, 340.288 looks on a white background.

Color Contrast Check

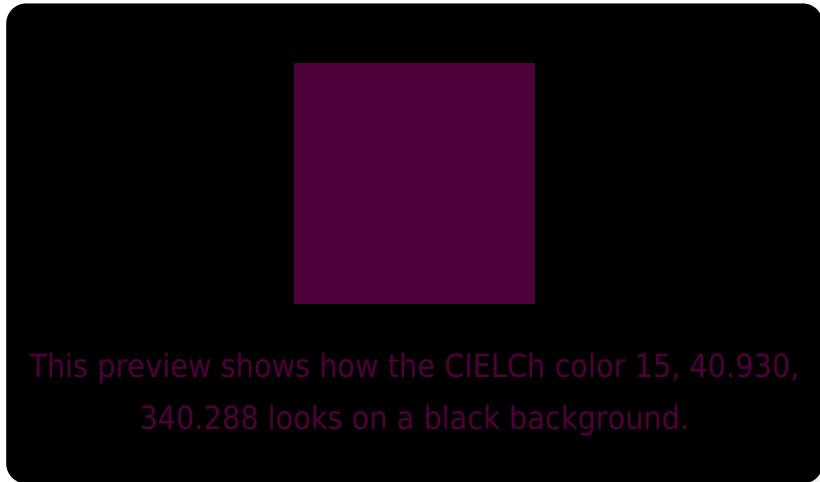
Large Text (above 18pt) WCAG AA ✓ Pass

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

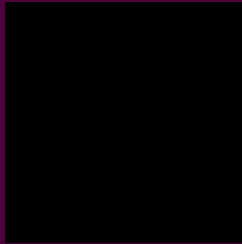
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 40.930, 340.288

Background



This preview shows how black text looks on a background with the CIELCh color 15, 40.930, 340.288.



This preview shows how white text looks on a background with the CIELCh color 15, 40.930, 340.288.

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

15, 40.930, 340.288

Protanopia

17, 28.692, 284.408

Deuteranopia

17, 9.055, 289.790



Tritanopia
16, 27.729, 26.814

Trichromacy



Original Color
15, 40.930, 340.288

Protanomaly
14, 33.507, 305.681

Deuteranomaly
14, 23.296, 325.778

Tritanomaly
16, 30.142, 5.153

Monochromacy



Original Color
15, 40.930, 340.288

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 19.480, 335.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 40.930, 340.288 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(78, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 40.930, 340.288 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(78, 0, 58) }
```

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

```
.border{ border-color:rgb(78, 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(78, 0, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 0, 58); box-shadow:4px  
4px 4px 4px rgb(78, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 40.930, 340.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 58) }
```

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

```
.background{ background-color: rgb(78, 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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