

Converting Colors

CIELCh(11, 51.886, 345.181)

Have a look what the booklet for
CIELCh(11, 51.886, 345.181)
contains.

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Color

CIELCh(15, 38.543, 349.115)

Conversions

Conversions Part 1

Format	Color
Hex	500031
RGB	80, 0, 49
RGB Percent	31%, 0%, 19%
CMY	0.6873, 1.0000, 0.8087
CMYK	0.00, 1.00, 0.39, 0.69
HSL	323°, 100%, 16%
HSV	323°, 100%, 31%
XYZ	3.8335, 1.9086, 3.0480
YIQ	29.5060, 31.9510, 32.1990

Conversions

Conversions Part 2

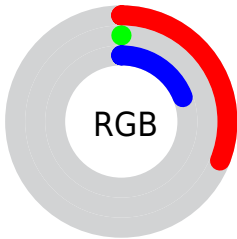
Format	Color
R_{YB}	80, 0, 49
Decimal	5242929
CIE _{Lab}	15.00, 37.85, -7.28
CIE _{LCh}	15, 38.543, 349.115
Yxy	1.9086, 0.4361, 0.2171
Android (android.graphics.Color)	4283433009 (0xFF500031)
YUV	29.5060, 9.6105, 44.2832
Hunter-Lab	13.8151, 25.3545, -3.4102

Details

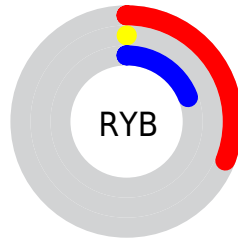
The CIELCh color **15, 38.543, 349.115** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 40.648, 146.338**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 38.753, 349.260**, and **3, 11.872, 17.458** is the 20% darker color. If you saturate the color by 10%, you get **15, 38.447, 349.157**, and if you desaturate by 10%, it is **16, 36.381, 347.498**.

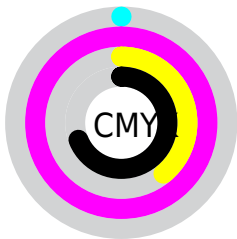
Distribution



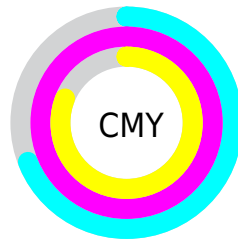
- Red (31%)
- Green (0%)
- Blue (19%)



- Red (31%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 38.543, 349.115 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, 38.543, 349.115 by changing the saturation by 10% instead.

 15, 38.543,
349.115


 15, 38.543,
349.115


 100, 38.543,
349.115


 5, 38.543, 349.115


 35, 38.543,
349.115

 0, 38.543, 349.115

 45, 38.543,
349.115


 55, 38.543,
349.115


 65, 38.543,
349.115


 75, 38.543,
349.115


 85, 38.543,

349.115


 95, 38.543,
349.115


 15, 38.543,
349.115


 15, 38.543,
349.115


 15, 38.447,
349.157

 16, 36.381,
347.498

 17, 34.264,
345.792

 19, 31.300,
344.355

 20, 27.621,
343.132

 22, 23.425,
342.067

■ 24, 18.898,
341.118

■ 27, 14.193,
340.259

■ 29, 9.427, 339.469

■ 31, 4.679, 338.724

Harmonies

Complementary

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



15, 38.543, 349.115



29, 40.648, 146.338

Rectangle

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



15, 38.543, 349.115



15, 38.543, 39.115



15, 38.543, 169.115



15, 38.543, 219.115

Sweetspot

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



15, 38.447, 349.157



35, 17.758, 340.351



8, 54.429, 310.531



16, 12.214, 340.555



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



15, 38.447, 349.157



21, 46.071, 350.225



14, 39.154, 27.283



15, 2.663, 338.631



51, 81.598, 352.374

Inverse Universe

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



15, 38.447, 349.157



21, 46.071, 350.225



30, 23.870, 181.416



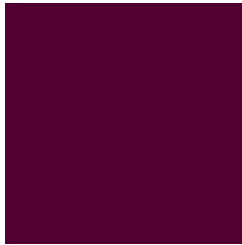
15, 2.663, 338.631



51, 81.598, 352.374

Previews

White Background



This preview shows how the CIELCh color 15, 38.543, 349.115 looks on a white background.

Color Contrast Check

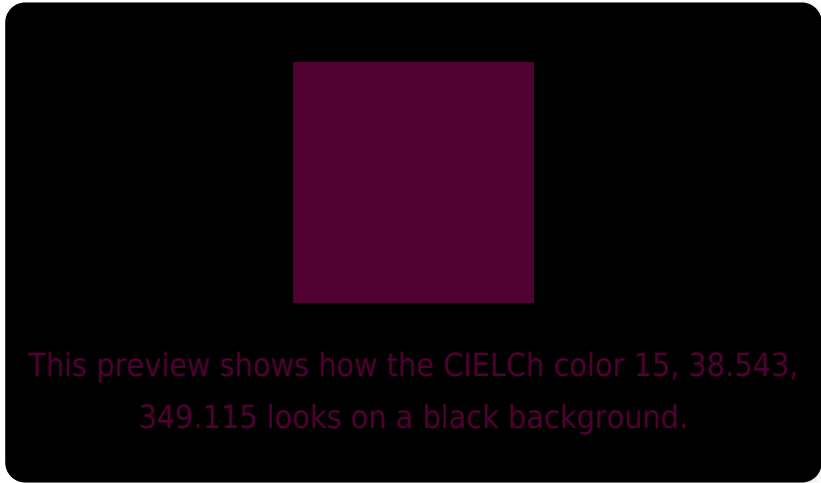
Large Text (above 18pt) WCAG AA ✓ Pass

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

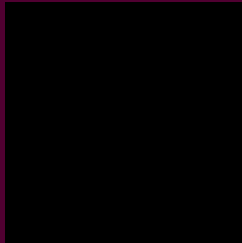
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 38.543, 349.115

Background



This preview shows how black text looks on a background with the CIELCh color 15, 38.543, 349.115.



This preview shows how white text looks on a background with the CIELCh color 15, 38.543, 349.115.

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, 38.543, 349.115

Protanopia

17, 20.312, 284.532

Deuteranopia

17, 3.380, 324.810



Tritanopia
16, 31.529, 28.784

Trichromacy



Original Color
15, 38.543, 349.115

Protanomaly
14, 26.721, 315.065

Deuteranomaly
15, 19.921, 341.604

Tritanomaly
16, 32.445, 12.977

Monochromacy



Original Color
15, 38.543, 349.115

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 18.499, 342.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 38.543, 349.115 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(80, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 49)  
}
```

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(80, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 38.543, 349.115 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(80, 0, 49) }
```

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

```
.border{ border-color:rgb(80, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 49); box-shadow:4px  
4px 4px 4px rgb(80, 0, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 38.543, 349.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 49) }
```

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

```
.background{ background-color: rgb(80, 0,  
49) }
```

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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