

Converting Colors

CIELCh(14, 42.138, 346.358)

Have a look what the booklet for
CIELCh(14, 42.138, 346.358)
contains.

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Color

CIELCh(15, 38.631, 347.578)

Conversions

Conversions Part 1

Format	Color
Hex	4F0032
RGB	79, 0, 50
RGB Percent	31%, 0%, 20%
CMY	0.6893, 0.9991, 0.8032
CMYK	0.00, 1.00, 0.37, 0.69
HSL	322°, 99%, 16%
HSV	322°, 100%, 31%
XYZ	3.8253, 1.9086, 3.2059
YIQ	29.3210, 31.0340, 32.2980

Conversions

Conversions Part 2

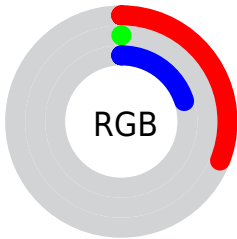
Format	Color
R _Y B	79, 0, 50
Decimal	5177394
CIE Lab	15.00, 37.73, -8.31
CIE LCh	15, 38.631, 347.578
Yxy	1.9086, 0.4279, 0.2135
Android (android.graphics.Color)	4283367474 (0xFF4F0032)
YUV	29.3210, 10.1947, 43.5685
Hunter-Lab	13.8151, 25.2481, -4.0882

Details

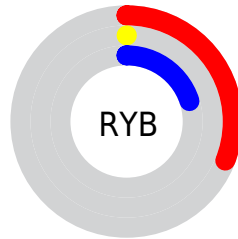
The CIELCh color **15, 38.631, 347.578** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 41.078, 145.586**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 38.729, 347.983**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 38.693, 347.620**, and if you desaturate by 10%, it is **16, 36.562, 346.040**.

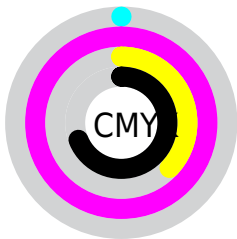
Distribution



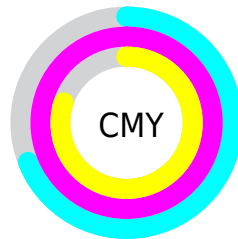
- Red (31%)
- Green (0%)
- Blue (20%)



- Red (31%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (69%)





- Cyan (69%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 38.631, 347.578 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, 38.631, 347.578 by changing the saturation by 10% instead.

 15, 38.631,
347.578


 15, 38.631,
347.578


 100, 38.631,
347.578


 5, 38.631, 347.578


 35, 38.631,
347.578

 0, 38.631, 347.578

 45, 38.631,
347.578


 55, 38.631,
347.578


 65, 38.631,
347.578


 75, 38.631,
347.578


 85, 38.631,


347.578

 95, 38.631,
347.578


 15, 38.631,
347.578


 15, 38.631,
347.578


 15, 38.693,
347.620

 16, 36.562,
346.040

 17, 34.418,
344.463

 19, 31.420,
343.127

 20, 27.707,
341.980

 22, 23.478,
340.972

■ 24, 18.917,
340.067

■ 27, 14.177,
339.241

■ 29, 9.373, 338.477

■ 31, 4.587, 337.752

Harmonies

Complementary

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



15, 38.631, 347.578



29, 41.078, 145.586

Rectangle

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



15, 38.631, 347.578



15, 38.631, 37.578



15, 38.631, 167.578



15, 38.631, 217.578

Sweetspot

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



15, 38.629, 347.579



34, 17.642, 339.347



8, 54.160, 310.204



15, 11.885, 339.524



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, 38.629, 347.579



21, 45.781, 348.544



14, 38.661, 26.442



15, 2.702, 337.683



21, 46.558, 348.626



51, 82.428, 350.602

Inverse Universe

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



15, 38.629, 347.579



21, 45.781, 348.544



30, 24.149, 179.570



15, 2.702, 337.683



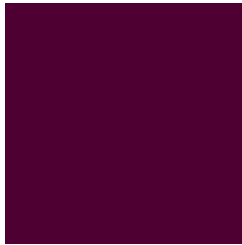
21, 46.558, 348.626



51, 82.428, 350.602

Previews

White Background



This preview shows how the CIE LCh color 15, 38.631, 347.578 looks on a white background.

Color Contrast Check

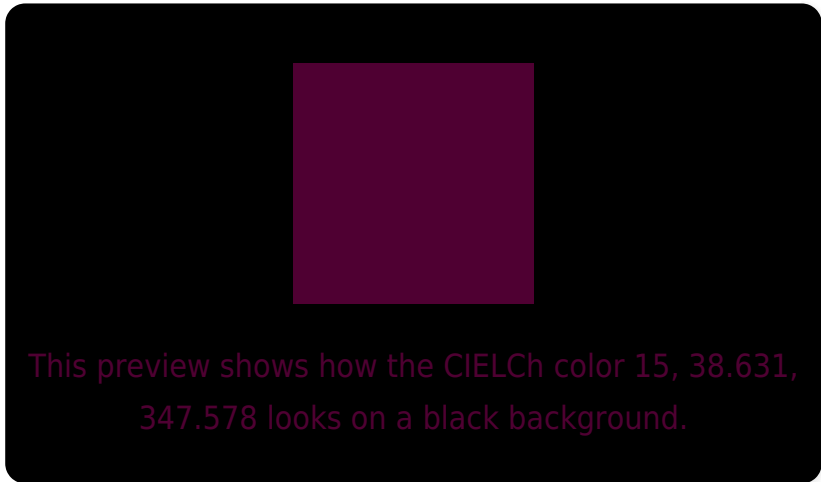
Large Text (above 18pt) WCAG AA ✓ Pass

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

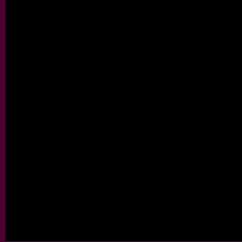
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 38.631, 347.578

Background



This preview shows how black text looks on a background with the CIELCh color 15, 38.631, 347.578.



This preview shows how white text looks on a background with the CIELCh color 15, 38.631, 347.578.

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, 38.631, 347.578

Protanopia

17, 21.686, 284.927

Deuteranopia

17, 4.421, 309.530



Tritanopia
16, 30.476, 28.275

Trichromacy



Original Color
15, 38.631, 347.578

Protanomaly
14, 27.906, 313.316

Deuteranomaly
15, 20.464, 337.426

Tritanomaly
16, 31.617, 10.456

Monochromacy



Original Color
15, 38.631, 347.578

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.469, 342.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 38.631, 347.578 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(79, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 50)  
}
```

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(79, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 38.631, 347.578 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(79, 0, 50) }
```

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

```
.border{ border-color:rgb(79, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(79, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 0, 50); box-shadow:4px  
4px 4px 4px rgb(79, 0, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 38.631, 347.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 50) }
```

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

```
.background{ background-color: rgb(79, 0,  
50) }
```

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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