

Converting Colors

CIELCh(15, 38.802, 350.135)

Have a look what the booklet for
CIELCh(15, 38.802, 350.135)
contains.

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Color

CIELCh(15, 38.310, 350.048)

Conversions

Conversions Part 1

Format	Color
Hex	500030
RGB	80, 0, 48
RGB Percent	31%, 0%, 19%
CMY	0.6868, 1.0000, 0.8122
CMYK	0.00, 1.00, 0.40, 0.69
HSL	324°, 100%, 16%
HSV	324°, 100%, 31%
XYZ	3.8257, 1.9086, 2.9500
YIQ	29.3920, 32.2720, 31.8880

Conversions

Conversions Part 2

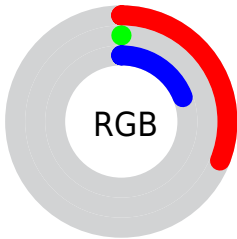
Format	Color
R_{YB}	80, 0, 48
Decimal	5242928
CIE _{Lab}	15.00, 37.73, -6.62
CIE _{LCh}	15, 38.310, 350.048
Yxy	1.9086, 0.4405, 0.2198
Android (android.graphics.Color)	4283433008 (0xFF500030)
YUV	29.3920, 9.1737, 44.3832
Hunter-Lab	13.8151, 25.2541, -2.9899

Details

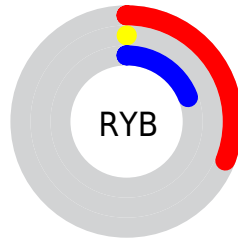
The CIELCh color **15, 38.310, 350.048** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 40.264, 146.828**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 38.509, 350.074**, and **3, 11.872, 17.458** is the 20% darker color. If you saturate the color by 10%, you get **15, 38.257, 350.073**, and if you desaturate by 10%, it is **16, 36.190, 348.342**.

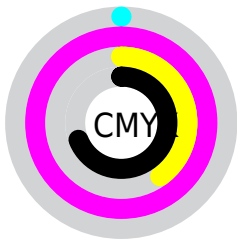
Distribution



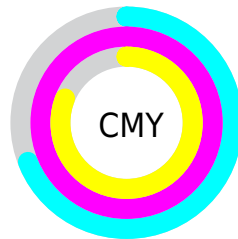
- Red (31%)
- Green (0%)
- Blue (19%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (69%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 38.310, 350.048 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, 38.310, 350.048 by changing the saturation by 10% instead.

 15, 38.310,
350.048

 15, 38.310,
350.048

 100, 38.310,
350.048

 5, 38.310, 350.048


 35, 38.310,
350.048

 0, 38.310, 350.048

 45, 38.310,
350.048

 55, 38.310,
350.048


 65, 38.310,
350.048


 75, 38.310,
350.048


 85, 38.310,


350.048


 95, 38.310,
350.048


 15, 38.310,
350.048


 15, 38.310,
350.048


 15, 38.257,
350.073

 16, 36.190,
348.342

 17, 34.076,
346.562

 19, 31.120,
345.069

 20, 27.454,
343.804

 22, 23.277,
342.707

■ 24, 18.773,
341.735

■ 27, 14.096,
340.857

■ 29, 9.360, 340.053

■ 31, 4.645, 339.296

Harmonies

Complementary

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



15, 38.310, 350.048



29, 40.264, 146.828

Rectangle

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



15, 38.310, 350.048



15, 38.310, 40.048



15, 38.310, 170.048



15, 38.310, 220.048

Sweetspot

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



15, 38.257, 350.073



35, 17.615, 340.950



8, 54.319, 310.839



16, 12.117, 341.159



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, 38.257, 350.073



21, 45.804, 351.186



14, 39.403, 28.013



15, 2.640, 339.202



51, 81.153, 353.440

Inverse Universe

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



15, 38.257, 350.073



21, 45.804, 351.186



30, 23.489, 183.366



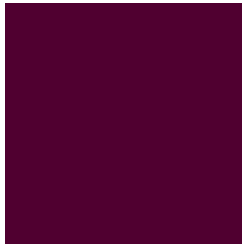
15, 2.640, 339.202



51, 81.153, 353.440

Previews

White Background



This preview shows how the CIELCh color 15, 38.310, 350.048 looks on a white background.

Color Contrast Check

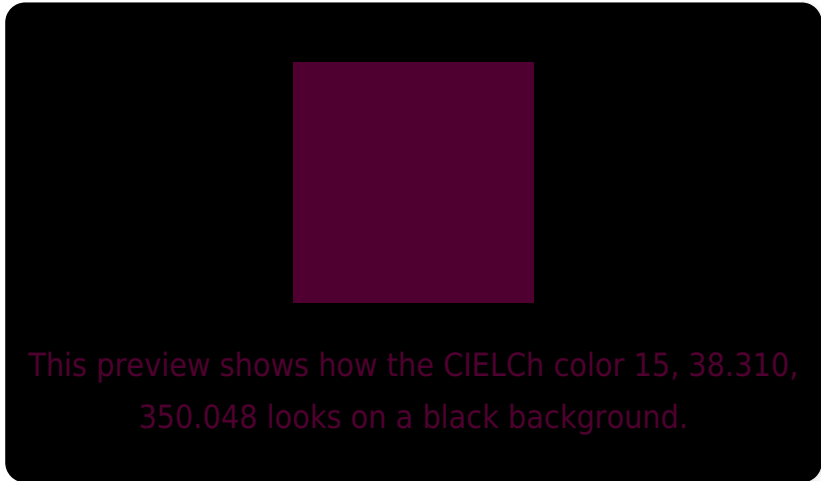
Large Text (above 18pt) WCAG AA ✓ Pass

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

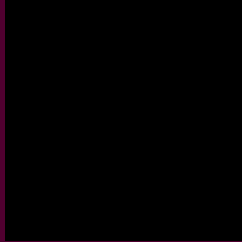
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 38.310, 350.048

Background



This preview shows how black text looks on a background with the CIELCh color 15, 38.310, 350.048.



This preview shows how white text looks on a background with the CIELCh color 15, 38.310, 350.048.

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, 38.310, 350.048

Protanopia

17, 19.600, 284.799

Deuteranopia

17, 2.838, 332.766



Tritanopia
16, 31.781, 29.829

Trichromacy



Original Color
15, 38.310, 350.048

Protanomaly
14, 26.184, 316.470

Deuteranomaly
15, 19.543, 343.252

Tritanomaly
16, 32.445, 12.977

Monochromacy



Original Color
15, 38.310, 350.048

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, 38.310, 350.048 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, 48)` looks like.

```
.text, #text, p{  
  color:rgb(80, 0, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 38.310, 350.048 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, 48) }
```

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

```
.border{ border-color:rgb(80, 0, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 48); box-shadow:4px  
4px 4px 4px rgb(80, 0, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 38.310, 350.048 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, 48) }
```

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

```
.background{ background-color: rgb(80, 0,  
48) }
```

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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