

Converting Colors

CIELCh(15, 33.771, 10.951)

Have a look what the booklet for
CIELCh(15, 33.771, 10.951) contains.

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Color

CIELCh(15, 33.913, 11.005)

Conversions

Conversions Part 1

Format	Color
Hex	4F071E
RGB	79, 7, 30
RGB Percent	31%, 3%, 12%
CMY	0.6902, 0.9725, 0.8823
CMYK	0.00, 0.91, 0.62, 0.69
HSL	341°, 84%, 17%
HSV	341°, 91%, 31%
XYZ	3.5357, 1.9086, 1.4108
YIQ	31.1500, 35.5290, 22.4170

Conversions

Conversions Part 2

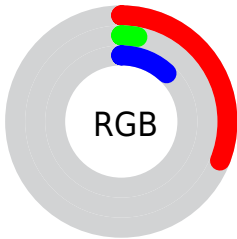
Format	Color
R_{YB}	79, 7, 30
Decimal	5179166
CIE _{Lab}	15.00, 33.29, 6.47
CIE _{LCh}	15, 33.913, 11.005
Yxy	1.9086, 0.5158, 0.2784
Android (android.graphics.Color)	4283369246 (0xFF4F071E)
YUV	31.1500, -0.5669, 41.9644
Hunter-Lab	13.8151, 21.5069, 3.6161

Details

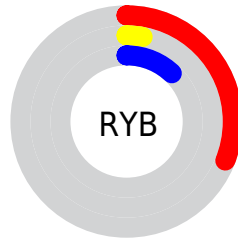
The CIELCh color **15, 33.913, 11.005** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 28.130, 163.857**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 33.967, 10.948**, and **2, 8.359, 16.640** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.437, 13.789**, and if you desaturate by 10%, it is **16, 31.285, 7.572**.

Distribution



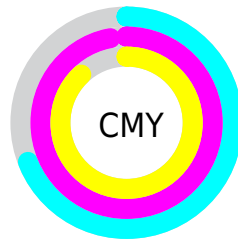
- Red (31%)
- Green (3%)
- Blue (12%)



- Red (31%)
- Yellow (3%)
- Blue (12%)



- Cyan (0%)
- Magenta (91%)
- Yellow (62%)
- Black (69%)



- Cyan (69%)
- Magenta (97%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.913, 11.005 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, 33.913, 11.005 by changing the saturation by 10% instead.

 15, 33.913, 11.005

 15, 33.913, 11.005

 100, 33.913,
11.005

 5, 33.913, 11.005

 35, 33.913, 11.005

 0, 33.913, 11.005

 45, 33.913, 11.005

 55, 33.913, 11.005

 65, 33.913, 11.005

 75, 33.913, 11.005

 85, 33.913, 11.005

 95, 33.913, 11.005

■ 15, 33.913, 11.005

■ 15, 33.913, 11.005

■ 14, 36.437, 13.789

■ 16, 31.285, 7.572

■ 18, 28.149, 4.719

■ 19, 24.540, 2.417

■ 21, 20.614, 0.539

■ 24, 16.522,
358.984

■ 26, 12.384,
357.670

■ 28, 8.289, 356.539

■ 31, 4.292, 355.533

■ 33, 0.427, 354.160

Harmonies

Complementary

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



15, 33.913, 11.005



29, 28.130, 163.857

Rectangle

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



15, 33.913, 11.005



15, 33.913, 61.005



15, 33.913, 191.005



15, 33.913, 241.005

Sweetspot

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



15, 33.911, 11.007



35, 13.218, 357.294



13, 47.745, 317.171



16, 8.813, 357.482



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, 33.911, 11.007



20, 43.748, 15.884



16, 35.011, 38.536



14, 2.088, 355.291



49, 80.601, 20.215

Inverse Universe

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



15, 33.911, 11.007



20, 43.748, 15.884



26, 17.944, 223.473



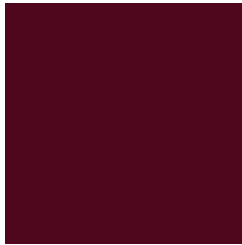
14, 2.088, 355.291



49, 80.601, 20.215

Previews

White Background



This preview shows how the CIE LCh color 15, 33.913, 11.005 looks on a white background.

Color Contrast Check

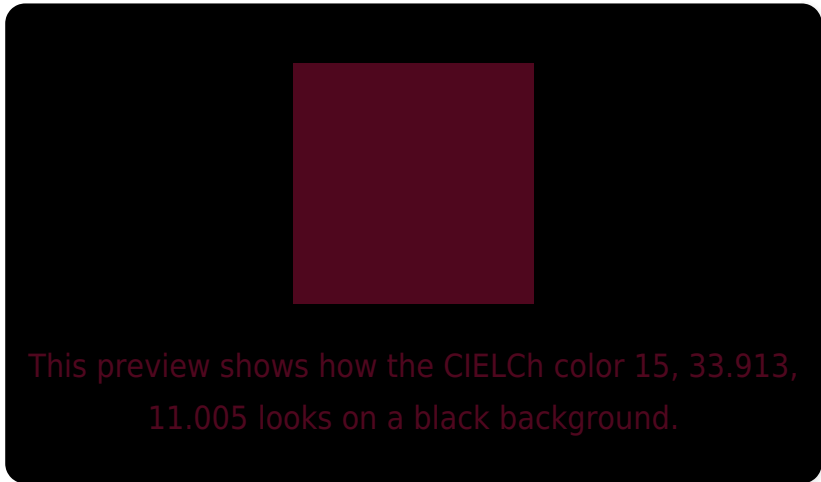
Large Text (above 18pt) WCAG AA ✓ Pass

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

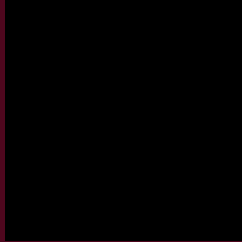
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 33.913, 11.005

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.913, 11.005.



This preview shows how white text looks on a background with the CIELCh color 15, 33.913, 11.005.

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, 33.913, 11.005

Protanopia

17, 1.397, 290.560

Deuteranopia

16, 10.015, 75.340



Tritanopia
15, 34.744, 30.936

Trichromacy



Original Color
15, 33.913, 11.005

Protanomaly
15, 14.197, 357.574

Deuteranomaly
15, 17.613, 22.448

Tritanomaly
15, 34.005, 24.889

Monochromacy



Original Color
15, 33.913, 11.005

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 14.514, 358.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 33.913, 11.005 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, 7, 30)` looks like.

```
.text, #text, p{  
    color:rgb(79, 7, 30)  
}
```


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, 7, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 7, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 33.913, 11.005 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, 7, 30) }
```

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

```
.border{ border-color:rgb(79, 7, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 7, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 7, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 7, 30); box-shadow:4px  
4px 4px 4px rgb(79, 7, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 33.913, 11.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 7, 30) }
```

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

```
.background{ background-color: rgb(79, 7,  
30) }
```

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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