

Converting Colors

CIELCh(15, 33.785, 10.203)

Have a look what the booklet for
CIELCh(15, 33.785, 10.203) contains.

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Color

CIELCh(15, 33.868, 9.818)

Conversions

Conversions Part 1

Format	Color
Hex	4F071F
RGB	79, 7, 31
RGB Percent	31%, 3%, 12%
CMY	0.6905, 0.9728, 0.8786
CMYK	0.00, 0.91, 0.61, 0.69
HSL	340°, 84%, 17%
HSV	340°, 91%, 31%
XYZ	3.5410, 1.9086, 1.4747
YIQ	31.2640, 35.2080, 22.7280

Conversions

Conversions Part 2

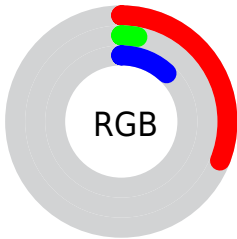
Format	Color
RYB	79, 7, 31
Decimal	5179167
CIELab	15.00, 33.37, 5.78
CIElCh	15, 33.868, 9.818
Yxy	1.9086, 0.5114, 0.2756
Android (android.graphics.Color)	4283369247 (0xFF4F071F)
YUV	31.2640, -0.1302, 41.8645
Hunter-Lab	13.8151, 21.5748, 3.3419




Details

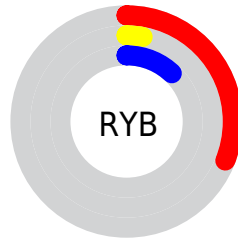
The CIELCh color **15, 33.868, 9.818** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 28.569, 162.820**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 33.508, 9.510**, and **2, 8.895, 16.806** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.306, 12.528**, and if you desaturate by 10%, it is **16, 31.303, 6.447**.

Distribution







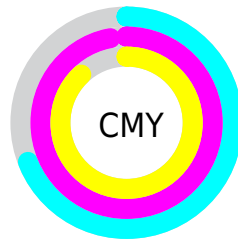
-  Red (31%)
-  Green (3%)
-  Blue (12%)






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



-  Cyan (0%)
-  Magenta (91%)
-  Yellow (61%)
-  Black (69%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.868, 9.818 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, 33.868, 9.818 by changing the saturation by 10% instead.

 15, 33.868, 9.818  15, 33.868, 9.818

 100, 33.868, 9.818  5, 33.868, 9.818

 35, 33.868, 9.818  0, 33.868, 9.818

 45, 33.868, 9.818


 55, 33.868, 9.818

 65, 33.868, 9.818

 75, 33.868, 9.818

 85, 33.868, 9.818

 95, 33.868, 9.818

 15, 33.868, 9.818  15, 33.868, 9.818

■ 14, 36.306, 12.528

■ 16, 31.303, 6.447

■ 18, 28.214, 3.645

■ 19, 24.635, 1.382

■ 21, 20.724,
359.535

■ 23, 16.634,
358.001

■ 26, 12.488,
356.703

■ 28, 8.377, 355.581

■ 31, 4.358, 354.583

■ 33, 0.466, 353.265

Harmonies

Complementary

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



15, 33.868, 9.818



29, 28.569, 162.820

Rectangle

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



15, 33.868, 9.818



15, 33.868, 59.818



15, 33.868, 189.818



15, 33.868, 239.818

Sweetspot

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



15, 33.866, 9.820



35, 13.301, 356.320



13, 47.828, 316.681



16, 8.867, 356.506



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, 33.866, 9.820



20, 43.574, 14.601



16, 35.285, 37.652



14, 2.104, 354.333



49, 80.100, 18.890

Inverse Universe

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



15, 33.866, 9.820



20, 43.574, 14.601



26, 18.031, 220.416



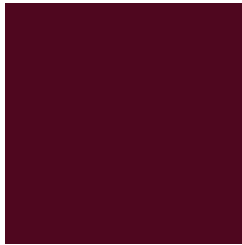
14, 2.104, 354.333



49, 80.100, 18.890

Previews

White Background



This preview shows how the CIE LCh color 15, 33.868, 9.818 looks on a white background.

Color Contrast Check

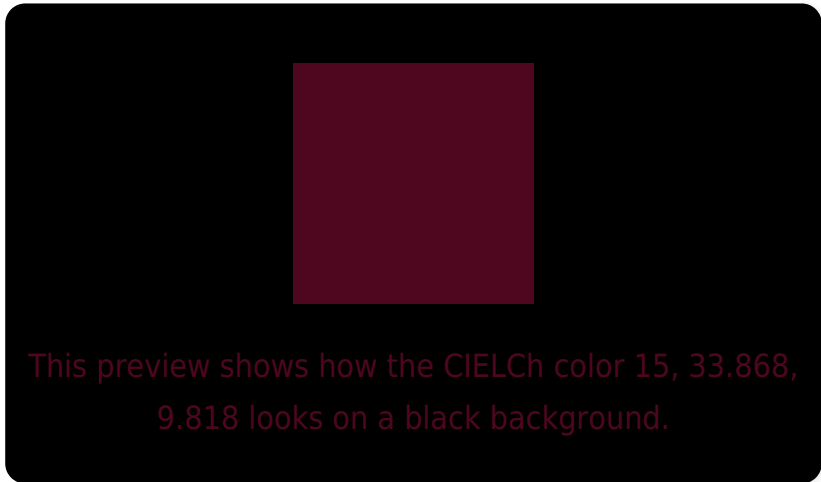
Large Text (above 18pt) WCAG AA ✓ Pass

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

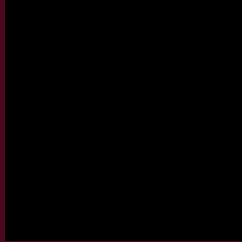
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 33.868, 9.818

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.868, 9.818.



This preview shows how white text looks on a background with the CIELCh color 15, 33.868, 9.818.

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, 33.868, 9.818

Protanopia

17, 2.822, 281.498

Deuteranopia

16, 9.420, 73.417



Tritanopia
15, 34.503, 31.524

Trichromacy



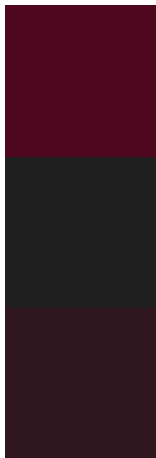
Original Color
15, 33.868, 9.818

Protanomaly
14, 14.271, 351.192

Deuteranomaly
15, 17.482, 20.216

Tritanomaly
15, 33.802, 23.886

Monochromacy



Original Color
15, 33.868, 9.818

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, 33.868, 9.818 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(79, 7, 31)  
}
```


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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 7, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 33.868, 9.818 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, 31) }
```

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

```
.border{ border-color:rgb(79, 7, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 7, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 7, 31); box-shadow:4px  
4px 4px 4px rgb(79, 7, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 33.868, 9.818 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, 31) }
```

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

```
.background{ background-color: rgb(79, 7,  
31) }
```

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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