

Converting Colors

CIELCh(15, 48.734, 318.694)

Have a look what the booklet for
CIELCh(15, 48.734, 318.694)
contains.

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Color

CIELCh(15, 48.734, 318.682)

Conversions

Conversions Part 1

Format	Color
Hex	3F0A54
RGB	63, 10, 84
RGB Percent	25%, 4%, 33%
CMY	0.7532, 0.9611, 0.6709
CMYK	0.25, 0.88, 0.00, 0.67
HSL	283°, 79%, 18%
HSV	283°, 88%, 33%
XYZ	3.7504, 1.9086, 8.5440
YIQ	34.2830, 7.8340, 34.2500

Conversions

Conversions Part 2

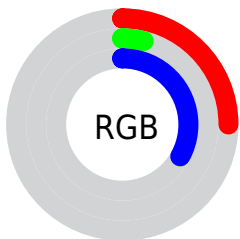
Format	Color
RYB	63, 10, 84
Decimal	4131412
CIELab	15.00, 36.60, -32.18
CIElCh	15, 48.734, 318.682
Yxy	1.9086, 0.2641, 0.1344
Android (android.graphics.Color)	4282321492 (0xFF3F0A54)
YUV	34.2830, 24.5105, 25.1848
Hunter-Lab	13.8151, 24.2813, -26.9974

Details

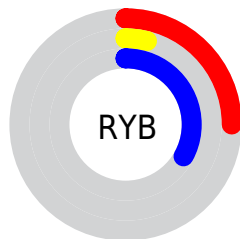
The CIELCh color **15, 48.734, 318.682** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 46.919, 132.653**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 48.574, 318.846**, and **2, 23.616, 299.134** is the 20% darker color. If you saturate the color by 10%, you get **14, 52.298, 318.601**, and if you desaturate by 10%, it is **17, 44.895, 318.755**.

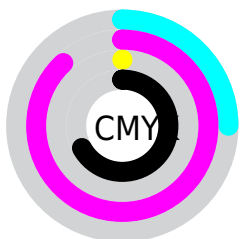
Distribution



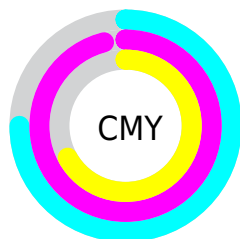
- Red (25%)
- Green (4%)
- Blue (33%)



- Red (25%)
- Yellow (4%)
- Blue (33%)



- Cyan (25%)
- Magenta (88%)
- Yellow (0%)
- Black (67%)



- Cyan (75%)
- Magenta (96%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 48.734, 318.682 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, 48.734, 318.682 by changing the saturation by 10% instead.

■ 15, 48.734,
318.682

■ 15, 48.734,
318.682

■ 100, 48.734,
318.682

■ 5, 48.734, 318.682

■ 35, 48.734,
318.682

■ 0, 48.734, 318.682

■ 45, 48.734,
318.682

■ 55, 48.734,
318.682


■ 65, 48.734,
318.682


■ 75, 48.734,
318.682


■ 85, 48.734,

318.682


 95, 48.734,
318.682


 15, 48.734,
318.682


 15, 48.734,
318.682


 14, 52.298,
318.601


 17, 44.895,
318.755

 13, 53.000,
318.606

 18, 40.154,
318.653

 21, 34.772,
318.423

 23, 28.984,
318.107

 25, 22.979,
317.740

■ 28, 16.894,
317.346

■ 31, 10.824,
316.943

■ 33, 4.830, 316.538

■ 36, 1.051, 136.275

Harmonies

Complementary

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



15, 48.734, 318.682



31, 46.919, 132.653

Rectangle

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



15, 48.734, 318.682



15, 48.734, 8.682



15, 48.734, 138.682



15, 48.734, 188.682

Sweetspot

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



15, 48.733, 318.682



38, 19.416, 317.294



14, 36.615, 292.068



18, 13.283, 317.376



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



15, 48.733, 318.682



19, 63.968, 318.307



18, 42.076, 336.295



15, 3.222, 316.559



18, 61.833, 318.356



44, 111.256, 317.750

Inverse Universe

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



16, 34.904, 13.288



22, 46.731, 19.583



31, 44.613, 141.509



15, 2.167, 357.771



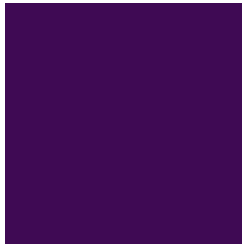
20, 45.110, 19.236



49, 82.772, 23.482

Previews

White Background



This preview shows how the CIELCh color 15, 48.734, 318.682 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



This preview shows how the CIE LCh color 15, 48.734, 318.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

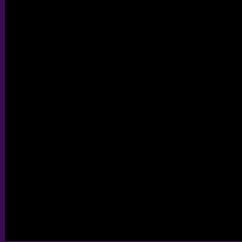
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 48.734, 318.682

Background



This preview shows how black text looks on a background with the CIELCh color 15, 48.734, 318.682.



This preview shows how white text looks on a background with the CIELCh color 15, 48.734, 318.682.

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, 48.734, 318.682

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 22.510, 269.434



Tritanopia
16, 10.799, 14.954

Trichromacy



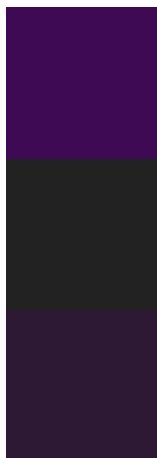
Original Color
15, 48.734, 318.682

Protanomaly
13, 38.850, 298.077

Deuteranomaly
13, 32.669, 295.284

Tritanomaly
15, 23.730, 331.925

Monochromacy



Original Color
15, 48.734, 318.682

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 21.023, 318.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 48.734, 318.682 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(63, 10, 84)` looks like.

```
.text, #text, p{  
    color:rgb(63, 10, 84)  
}
```

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(63, 10, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 10, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 48.734, 318.682 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(63, 10, 84) }
```

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

```
.border{ border-color:rgb(63, 10, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 10, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 10, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 10, 84);  
box-shadow:4px 4px 4px 4px rgb(63, 10, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 48.734, 318.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 10, 84) }
```

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

```
.background{ background-color: rgb(63, 10,  
84) }
```

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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