

Converting Colors

CIELCh(15, 77.824, 307.923)

Have a look what the booklet for
CIELCh(15, 77.824, 307.923)
contains.

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Color

CIELCh(15, 77.774, 307.958)

Conversions

Conversions Part 1

Format	Color
Hex	210180
RGB	33, 1, 128
RGB Percent	13%, 0%, 50%
CMY	0.8701, 0.9958, 0.4978
CMYK	0.74, 0.99, 0.00, 0.50
HSL	255°, 98%, 25%
HSV	255°, 99%, 50%
XYZ	4.5432, 1.9086, 20.5758
YIQ	25.0460, -21.6950, 46.2810

Conversions

Conversions Part 2

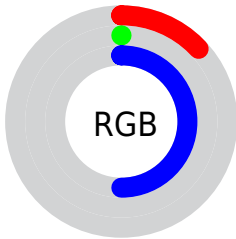
Format	Color
RYB	33, 1, 128
Decimal	2163072
CIELab	15.00, 47.84, -61.32
CIELCh	15, 77.774, 307.958
Yxy	1.9086, 0.1681, 0.0706
Android (android.graphics.Color)	4280353152 (0xFF210180)
YUV	25.0460, 50.7563, 6.9757
Hunter-Lab	13.8151, 34.5239, -78.6338

Details

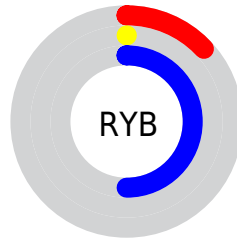
The CIELCh color **15, 77.774, 307.958** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **49, 60.136, 117.061**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **35, 77.652, 308.023**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **15, 78.253, 308.016**, and if you desaturate by 10%, it is **17, 72.344, 307.521**.

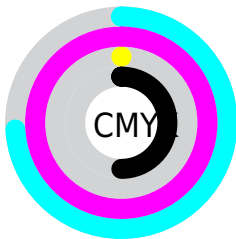
Distribution



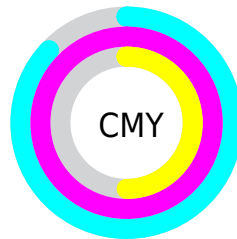
- Red (13%)
- Green (0%)
- Blue (50%)



- Red (13%)
- Yellow (0%)
- Blue (50%)



- Cyan (74%)
- Magenta (99%)
- Yellow (0%)
- Black (50%)



- Cyan (87%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 77.774, 307.958 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, 77.774, 307.958 by changing the saturation by 10% instead.

■ 15, 77.774,
307.958

■ 15, 77.774,
307.958

■ 100, 77.774,
307.958

■ 5, 77.774, 307.958

■ 35, 77.774,
307.958

■ 0, 77.774, 307.958

■ 45, 77.774,
307.958


■ 55, 77.774,
307.958


■ 65, 77.774,
307.958


■ 75, 77.774,
307.958


■ 85, 77.774,


307.958


 95, 77.774,
307.958


 15, 77.774,
307.958

 15, 77.774,
307.958


 15, 78.253,
308.016

 17, 72.344,
307.521

 20, 65.607,
306.893

 24, 57.573,
305.987

 28, 48.950,
304.964

 32, 40.187,
303.934

■ 36, 31.525,
302.958

■ 41, 23.083,
302.066

■ 45, 14.906,
301.269

■ 50, 7.009, 300.564

Harmonies

Complementary

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



15, 77.774, 307.958



49, 60.136, 117.061

Rectangle

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



15, 77.774, 307.958



15, 77.774, 357.958



15, 77.774, 127.958



15, 77.774, 177.958

Sweetspot

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



15, 77.775, 307.959



52, 29.386, 302.196



38, 27.133, 244.357



25, 20.329, 302.506



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



15, 77.775, 307.959



21, 94.700, 307.826



24, 70.869, 319.269



25, 4.290, 300.559



15, 77.997, 308.020



0, 0.000, 0.000

Inverse Universe

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



28, 57.374, 340.903



37, 69.124, 341.382



47, 69.379, 133.626



25, 4.277, 332.963



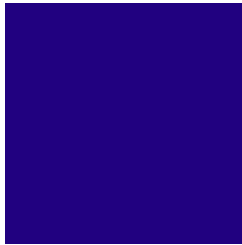
28, 57.314, 340.999



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 15, 77.774, 307.958 looks on a white background.

Color Contrast Check

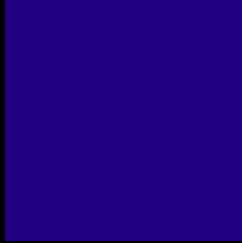
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 15, 77.774, 307.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

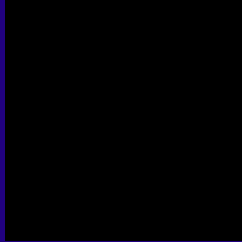
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 77.774, 307.958

Background



This preview shows how black text looks on a background with the CIELCh color 15, 77.774, 307.958.



This preview shows how white text looks on a background with the CIELCh color 15, 77.774, 307.958.

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, 77.774, 307.958

Protanopia

16, 31.115, 282.342

Tritanopia

16, 14.775, 202.010

Trichromacy



Original Color
15, 77.774, 307.958

Protanomaly
14, 51.405, 299.510

Tritanomaly
13, 33.579, 291.930

Monochromacy



Original Color
15, 77.774, 307.958

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 33.848, 305.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 77.774, 307.958 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(33, 1, 128)` looks like.

```
.text, #text, p{  
    color:rgb(33, 1, 128)  
}
```

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(33, 1, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 1, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 77.774, 307.958 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(33, 1, 128) }
```

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

```
.border{ border-color:rgb(33, 1, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 1, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 1, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 1, 128);  
box-shadow:4px 4px 4px 4px rgb(33, 1, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 77.774, 307.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 1, 128) }
```

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

```
.background{ background-color: rgb(33, 1,  
128) }
```

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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