

Converting Colors

CIELCh(15, 76.251, 308.635)

Have a look what the booklet for
CIELCh(15, 76.251, 308.635)
contains.

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Color

CIELCh(15, 76.219, 308.690)

Conversions

Conversions Part 1

Format	Color
Hex	26007D
RGB	38, 0, 125
RGB Percent	15%, 0%, 49%
CMY	0.8498, 0.9992, 0.5089
CMYK	0.69, 1.00, 0.00, 0.51
HSL	258°, 100%, 25%
HSV	258°, 100%, 49%
XYZ	4.5287, 1.9086, 19.6072
YIQ	25.6120, -17.4770, 46.9310

Conversions

Conversions Part 2

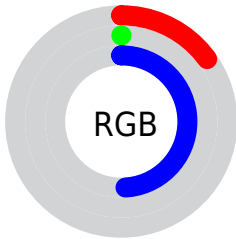
Format	Color
RYB	38, 0, 125
Decimal	2490493
CIELab	15.00, 47.64, -59.49
CIELCh	15, 76.219, 308.690
Yxy	1.9086, 0.1739, 0.0733
Android (android.graphics.Color)	4280680573 (0xFF26007D)
YUV	25.6120, 48.9983, 10.8643
Hunter-Lab	13.8151, 34.3372, -74.4770

Details

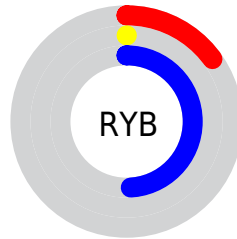
The CIELCh color **15, 76.219, 308.690** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 60.215, 119.624**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 75.995, 308.559**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **15, 76.309, 308.700**, and if you desaturate by 10%, it is **17, 70.937, 308.393**.

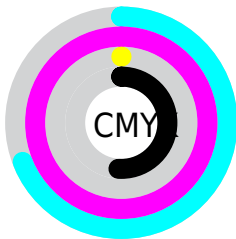
Distribution



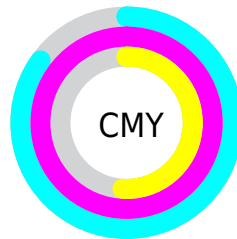
- Red (15%)
- Green (0%)
- Blue (49%)



- Red (15%)
- Yellow (0%)
- Blue (49%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



- Cyan (85%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 76.219, 308.690 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, 76.219, 308.690 by changing the saturation by 10% instead.

■ 15, 76.219,
308.690

■ 15, 76.219,
308.690

■ 100, 76.219,
308.690

■ 5, 76.219, 308.690

■ 35, 76.219,
308.690

■ 0, 76.219, 308.690

■ 45, 76.219,
308.690


■ 55, 76.219,
308.690


■ 65, 76.219,
308.690


■ 75, 76.219,
308.690


■ 85, 76.219,


308.690


 95, 76.219,
308.690


 15, 76.219,
308.690

 15, 76.219,
308.690


 15, 76.309,
308.700

 17, 70.937,
308.393

 20, 64.594,
307.970

 24, 56.937,
307.263

 27, 48.625,
306.418

 31, 40.102,
305.539

■ 36, 31.623,
304.686

■ 40, 23.319,
303.894

■ 44, 15.250,
303.175

■ 48, 7.440, 302.533

Harmonies

Complementary

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



15, 76.219, 308.690



48, 60.215, 119.624

Rectangle

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



15, 76.219, 308.690



15, 76.219, 358.690



15, 76.219, 128.690



15, 76.219, 178.690

Sweetspot

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



15, 76.220, 308.691



51, 29.153, 303.960



35, 28.457, 254.213



24, 19.898, 304.227



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



15, 76.220, 308.691



21, 92.813, 308.475



24, 69.426, 320.937



25, 4.318, 302.489



15, 77.321, 308.682



0, 0.000, 0.000

Inverse Universe

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



27, 54.661, 344.486



36, 66.021, 345.032



46, 69.094, 134.328



25, 4.120, 335.042



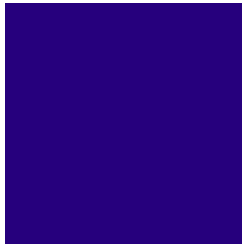
27, 55.379, 344.550



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 15, 76.219, 308.690 looks on a white background.

Color Contrast Check

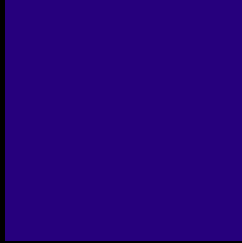
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.219, 308.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

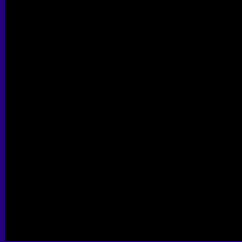
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 76.219, 308.690

Background



This preview shows how black text looks on a background with the CIELCh color 15, 76.219, 308.690.



This preview shows how white text looks on a background with the CIELCh color 15, 76.219, 308.690.

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, 76.219, 308.690

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.984, 266.865



Tritanopia
16, 14.663, 204.900

Trichromacy



Original Color
15, 76.219, 308.690

Protanomaly
14, 50.741, 299.622

Deuteranomaly
13, 44.995, 297.946

Tritanomaly
13, 34.304, 293.331

Monochromacy



Original Color
15, 76.219, 308.690

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 33.068, 306.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 76.219, 308.690 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(38, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(38, 0, 125)  
}
```

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(38, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 0, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 76.219, 308.690 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(38, 0, 125) }
```

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

```
.border{ border-color:rgb(38, 0, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(38, 0, 125)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 76.219, 308.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 0, 125) }
```

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

```
.background{ background-color: rgb(38, 0,  
125) }
```

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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