

Converting Colors

CIELCh(15, 77.576, 308.426)

Have a look what the booklet for
CIELCh(15, 77.576, 308.426)
contains.

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Color

CIELCh(15, 77.382, 308.402)

Conversions

Conversions Part 1

Format	Color
Hex	24007F
RGB	36, 0, 127
RGB Percent	14%, 0%, 50%
CMY	0.8587, 1.0000, 0.5019
CMYK	0.72, 1.00, 0.00, 0.50
HSL	257°, 100%, 25%
HSV	257°, 100%, 50%
XYZ	4.5605, 1.9086, 20.2124
YIQ	25.2420, -19.3110, 47.1290

Conversions

Conversions Part 2

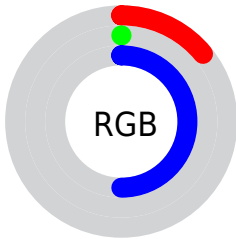
Format	Color
R_{YB}	36, 0, 127
Decimal	2359423
CIE _{Lab}	15.00, 48.07, -60.64
CIE _{LCh}	15, 77.382, 308.402
Yxy	1.9086, 0.1709, 0.0715
Android (android.graphics.Color)	4280549503 (0xFF24007F)
YUV	25.2420, 50.1667, 9.4348
Hunter-Lab	13.8151, 34.7476, -77.0741

Details

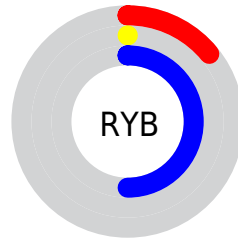
The CIELCh color **15, 77.382, 308.402** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **49, 60.517, 118.638**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **35, 77.088, 308.259**, and **5, 53.421, 304.725** is the 20% darker color. If you saturate the color by 10%, you get **15, 77.387, 308.404**, and if you desaturate by 10%, it is **17, 72.031, 308.043**.

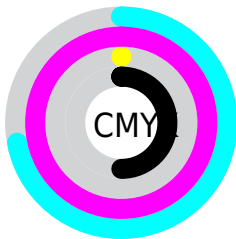
Distribution



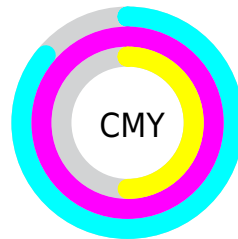
- Red (14%)
- Green (0%)
- Blue (50%)



- Red (14%)
- Yellow (0%)
- Blue (50%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)





- Cyan (86%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 77.382, 308.402 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, 77.382, 308.402 by changing the saturation by 10% instead.

 15, 77.382,
308.402


 15, 77.382,
308.402


 100, 77.382,
308.402


 5, 77.382, 308.402


 35, 77.382,
308.402

 0, 77.382, 308.402

 45, 77.382,
308.402


 55, 77.382,
308.402


 65, 77.382,
308.402


 75, 77.382,
308.402


 85, 77.382,

308.402


 95, 77.382,
308.402


 15, 77.382,
308.402


 15, 77.382,
308.402


 15, 77.387,
308.404

 17, 72.031,
308.043

 20, 65.581,
307.558

 24, 57.781,
306.782

 28, 49.325,
305.870

 32, 40.669,
304.930

■ 36, 32.074,
304.027

■ 40, 23.669,
303.192

■ 45, 15.511,
302.438

■ 49, 7.622, 301.768

Harmonies

Complementary

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



15, 77.382, 308.402



49, 60.517, 118.638

Rectangle

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



15, 77.382, 308.402



15, 77.382, 358.402



15, 77.382, 128.402



15, 77.382, 178.402

Sweetspot

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



15, 77.383, 308.403



52, 29.466, 303.249



36, 28.133, 251.213



25, 20.379, 303.539



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, 77.383, 308.403



21, 94.231, 308.191



24, 70.356, 320.358



25, 4.306, 301.712



15, 77.603, 308.400



0, 0.000, 0.000

Inverse Universe

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



27, 55.980, 343.067



37, 67.679, 343.531



46, 69.665, 134.114



25, 4.183, 334.183



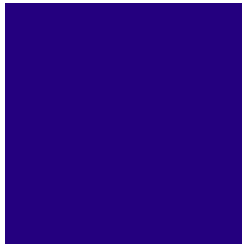
28, 56.131, 343.075



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 15, 77.382, 308.402 looks on a white background.

Color Contrast Check

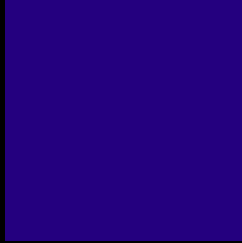
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.382, 308.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

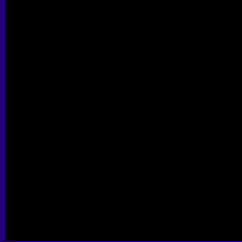
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 77.382, 308.402

Background



This preview shows how black text looks on a background with the CIELCh color 15, 77.382, 308.402.



This preview shows how white text looks on a background with the CIELCh color 15, 77.382, 308.402.

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, 77.382, 308.402

Protanopia

16, 31.115, 282.342

Tritanopia

16, 14.663, 204.900

Trichromacy



Original Color
15, 77.382, 308.402

Protanomaly
14, 52.085, 300.059

Tritanomaly
13, 34.324, 293.061

Monochromacy



Original Color
15, 77.382, 308.402

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 33.823, 306.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 77.382, 308.402 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(36, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(36, 0, 127)  
}
```

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(36, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 0, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 77.382, 308.402 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(36, 0, 127) }
```

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

```
.border{ border-color:rgb(36, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(36, 0, 127)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 77.382, 308.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 0, 127) }
```

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

```
.background{ background-color: rgb(36, 0,  
127) }
```

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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