

Converting Colors

CIELCh(15, 74.686, 309.110)

Have a look what the booklet for
CIELCh(15, 74.686, 309.110)
contains.

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Color

CIELCh(15, 74.930, 309.131)

Conversions

Conversions Part 1

Format	Color
Hex	29007B
RGB	41, 0, 123
RGB Percent	16%, 0%, 48%
CMY	0.8387, 0.9997, 0.5173
CMYK	0.67, 1.00, 0.00, 0.52
HSL	260°, 100%, 24%
HSV	260°, 100%, 48%
XYZ	4.5020, 1.9086, 18.9031
YIQ	26.2810, -15.0470, 46.9450

Conversions

Conversions Part 2

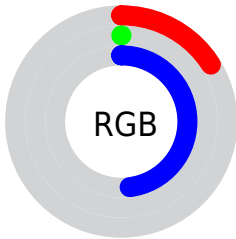
Format	Color
RYB	41, 0, 123
Decimal	2687099
CIELab	15.00, 47.29, -58.12
CIElCh	15, 74.930, 309.131
Yxy	1.9086, 0.1778, 0.0754
Android (android.graphics.Color)	4280877179 (0xFF29007B)
YUV	26.2810, 47.6825, 12.9086
Hunter-Lab	13.8151, 33.9922, -71.4554

Details

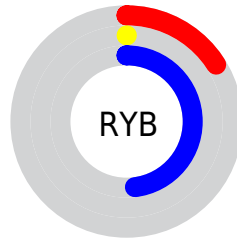
The CIELCh color **15, 74.930, 309.131** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **47, 60.008, 120.935**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 74.873, 309.078**, and **4, 51.274, 304.193** is the 20% darker color. If you saturate the color by 10%, you get **15, 74.970, 309.135**, and if you desaturate by 10%, it is **17, 69.745, 308.907**.

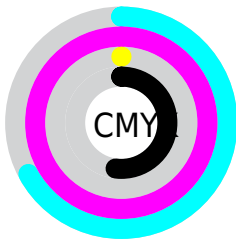
Distribution



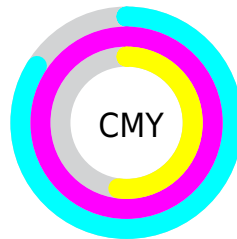
- Red (16%)
- Green (0%)
- Blue (48%)



- Red (16%)
- Yellow (0%)
- Blue (48%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)



- Cyan (84%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 74.930, 309.131 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, 74.930, 309.131 by changing the saturation by 10% instead.

■ 15, 74.930,
309.131

■ 15, 74.930,
309.131

■ 100, 74.930,
309.131

■ 5, 74.930, 309.131

■ 35, 74.930,
309.131

■ 0, 74.930, 309.131

■ 45, 74.930,
309.131


■ 55, 74.930,
309.131


■ 65, 74.930,
309.131


■ 75, 74.930,
309.131


■ 85, 74.930,


309.131


 95, 74.930,
309.131


 15, 74.930,
309.131


 15, 74.930,
309.131


 15, 74.970,
309.135

 17, 69.745,
308.907

 20, 63.593,
308.576

 23, 56.144,
307.963

 27, 48.025,
307.205

 31, 39.666,
306.402

■ 35, 31.323,
305.613

■ 39, 23.132,
304.873

■ 43, 15.159,
304.197

■ 48, 7.432, 303.588

Harmonies

Complementary

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



15, 74.930, 309.131



47, 60.008, 120.935

Rectangle

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



15, 74.930, 309.131



15, 74.930, 359.131



15, 74.930, 129.131



15, 74.930, 179.131

Sweetspot

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



15, 74.931, 309.132



51, 28.864, 304.930



33, 29.606, 260.070



24, 19.952, 305.183



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, 74.931, 309.132



21, 91.257, 308.894



25, 68.303, 322.098



24, 4.190, 303.538



15, 75.792, 309.120



36, 128.403, 308.607

Inverse Universe

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



26, 53.092, 346.548



35, 64.145, 347.170



45, 68.621, 134.713



24, 3.900, 336.252



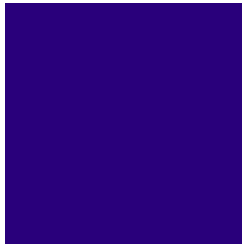
27, 53.659, 346.598



56, 89.414, 347.947

Previews

White Background



This preview shows how the CIE LCh color 15, 74.930, 309.131 looks on a white background.

Color Contrast Check

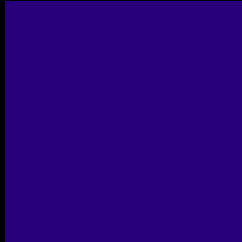
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.930, 309.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

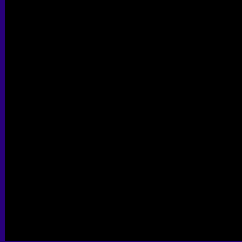
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 74.930, 309.131

Background



This preview shows how black text looks on a background with the CIELCh color 15, 74.930, 309.131.



This preview shows how white text looks on a background with the CIELCh color 15, 74.930, 309.131.

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, 74.930, 309.131

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.984, 266.865



Tritanopia
16, 14.663, 204.900

Trichromacy



Original Color
15, 74.930, 309.131

Protanomaly
14, 50.806, 300.073

Deuteranomaly
13, 44.972, 298.115

Tritanomaly
13, 33.611, 293.304

Monochromacy



Original Color
15, 74.930, 309.131

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 32.378, 307.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 74.930, 309.131 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(41, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(41, 0, 123)  
}
```

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(41, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 0, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 74.930, 309.131 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(41, 0, 123) }
```

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

```
.border{ border-color:rgb(41, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(41, 0, 123)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 74.930, 309.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 0, 123) }
```

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

```
.background{ background-color: rgb(41, 0,  
123) }
```

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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