

Converting Colors

CIELCh(15, 70.967, 306.359)

Have a look what the booklet for
CIELCh(15, 70.967, 306.359)
contains.

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Color

CIELCh(15, 71.398, 306.390)

Conversions

Conversions Part 1

Format	Color
Hex	1D0B7A
RGB	29, 11, 122
RGB Percent	11%, 4%, 48%
CMY	0.8860, 0.9567, 0.5214
CMYK	0.76, 0.91, 0.00, 0.52
HSL	250°, 83%, 26%
HSV	250°, 91%, 48%
XYZ	4.1440, 1.9086, 18.5755
YIQ	29.0360, -24.9030, 38.3370

Conversions

Conversions Part 2

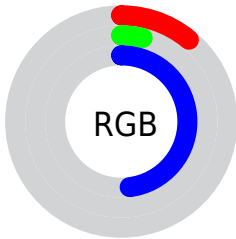
Format	Color
R_{YB}	29, 11, 122
Decimal	1903482
CIE _{Lab}	15.00, 42.36, -57.48
CIE _{LCh}	15, 71.398, 306.390
Yxy	1.9086, 0.1683, 0.0775
Android (android.graphics.Color)	4280093562 (0xFF1D0B7A)
YUV	29.0360, 45.8313, -0.0316
Hunter-Lab	13.8151, 29.3659, -70.0492

Details

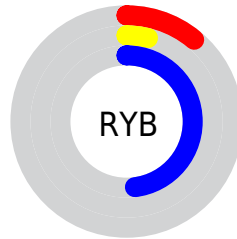
The CIELCh color **15, 71.398, 306.390** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 54.793, 112.046**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 71.667, 306.398**, and **4, 50.540, 303.992** is the 20% darker color. If you saturate the color by 10%, you get **13, 76.477, 307.190**, and if you desaturate by 10%, it is **18, 64.912, 305.462**.

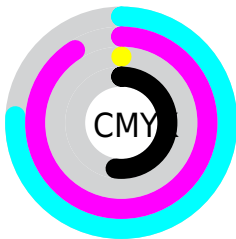
Distribution



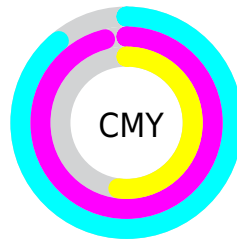
- Red (11%)
- Green (4%)
- Blue (48%)



- Red (11%)
- Yellow (4%)
- Blue (48%)



- Cyan (76%)
- Magenta (91%)
- Yellow (0%)
- Black (52%)



- Cyan (89%)
- Magenta (96%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 71.398, 306.390 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, 71.398, 306.390 by changing the saturation by 10% instead.

■ 15, 71.398,
306.390

■ 15, 71.398,
306.390

■ 100, 71.398,
306.390

■ 5, 71.398, 306.390

■ 35, 71.398,
306.390

■ 0, 71.398, 306.390

■ 45, 71.398,
306.390


■ 55, 71.398,
306.390


■ 65, 71.398,
306.390


■ 75, 71.398,
306.390


■ 85, 71.398,

306.390


 95, 71.398,
306.390

 15, 71.398,
306.390


 15, 71.398,
306.390


 13, 76.477,
307.190

 18, 64.912,
305.462

 21, 57.045,
304.221

 25, 48.591,
302.866

 29, 40.037,
301.534

 33, 31.626,
300.296

■ 38, 23.464,
299.184

■ 42, 15.588,
298.203

■ 47, 8.000, 297.348

■ 51, 0.690, 296.608

Harmonies

Complementary

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



15, 71.398, 306.390



48, 54.793, 112.046

Rectangle

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



15, 71.398, 306.390



15, 71.398, 356.390



15, 71.398, 126.390



15, 71.398, 176.390

Sweetspot

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



15, 71.399, 306.391



51, 25.140, 298.846



41, 24.748, 221.463



24, 16.931, 299.116



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



15, 71.399, 306.391



19, 92.508, 307.040



22, 66.573, 316.501



23, 4.109, 297.200



13, 77.800, 307.174



33, 131.582, 306.864

Inverse Universe

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



28, 57.717, 334.976



36, 71.326, 335.846



45, 62.610, 131.289



24, 4.407, 329.742



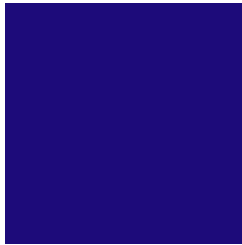
28, 60.263, 335.656



58, 100.792, 336.131

Previews

White Background



This preview shows how the CIE LCh color 15, 71.398, 306.390 looks on a white background.

Color Contrast Check

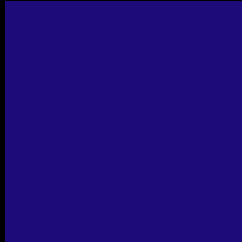
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.398, 306.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

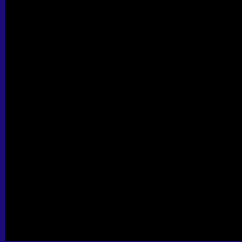
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 71.398, 306.390

Background



This preview shows how black text looks on a background with the CIELCh color 15, 71.398, 306.390.



This preview shows how white text looks on a background with the CIELCh color 15, 71.398, 306.390.

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, 71.398, 306.390

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 20.819, 265.514



Tritanopia
16, 14.262, 205.201

Trichromacy



Original Color
15, 71.398, 306.390

Protanomaly
14, 47.492, 297.833

Deuteranomaly
14, 40.870, 295.002

Tritanomaly
13, 30.074, 288.451

Monochromacy



Original Color
15, 71.398, 306.390

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 29.946, 302.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 71.398, 306.390 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(29, 11, 122)` looks like.

```
.text, #text, p{  
    color:rgb(29, 11, 122)  
}
```

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(29, 11, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 11, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 71.398, 306.390 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(29, 11, 122) }
```

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

```
.border{ border-color:rgb(29, 11, 122) }
```

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

Here you see how a box with a 4 pixel rgb(29, 11, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 11, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 11, 122);  
box-shadow:4px 4px 4px 4px rgb(29, 11,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 71.398, 306.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 11, 122) }
```

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

```
.background{ background-color: rgb(29, 11,  
122) }
```

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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