

Converting Colors

CIELCh(3, 96.473, 328.723)

Have a look what the booklet for
CIELCh(3, 96.473, 328.723) contains.

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Color

CIELCh(15, 50.613, 324.284)

Conversions

Conversions Part 1

Format	Color
Hex	470050
RGB	71, 0, 80
RGB Percent	28%, 0%, 31%
CMY	0.7210, 1.0000, 0.6855
CMYK	0.11, 1.00, 0.00, 0.69
HSL	293°, 100%, 16%
HSV	293°, 100%, 31%
XYZ	4.0552, 1.9086, 7.7807
YIQ	30.3490, 16.6360, 39.9320

Conversions

Conversions Part 2

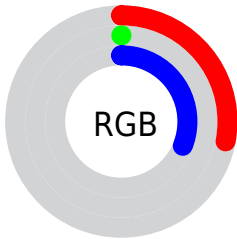
Format	Color
R_{YB}	71, 0, 80
Decimal	4653136
CIE _{Lab}	15.00, 41.09, -29.55
CIE _{LCh}	15, 50.613, 324.284
Yxy	1.9086, 0.2950, 0.1389
Android (android.graphics.Color)	4282843216 (0xFF470050)
YUV	30.3490, 24.4779, 35.6509
Hunter-Lab	13.8151, 28.2194, -23.7215

Details

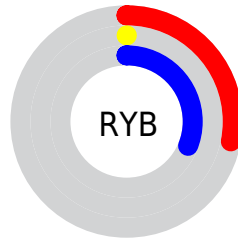
The CIELCh color **15, 50.613, 324.284** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **29, 50.899, 134.800**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 50.299, 323.989**, and **3, 22.243, 309.552** is the 20% darker color. If you saturate the color by 10%, you get **15, 50.274, 324.235**, and if you desaturate by 10%, it is **16, 47.227, 324.196**.

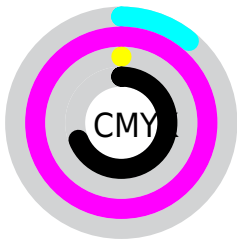
Distribution



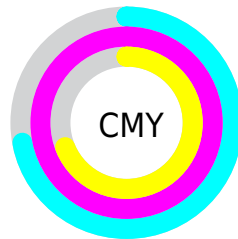
- Red (28%)
- Green (0%)
- Blue (31%)



- Red (28%)
- Yellow (0%)
- Blue (31%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)





- Cyan (72%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 50.613, 324.284 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, 50.613, 324.284 by changing the saturation by 10% instead.

 15, 50.613,
324.284

 15, 50.613,
324.284

 100, 50.613,
324.284

 5, 50.613, 324.284


 35, 50.613,
324.284

 0, 50.613, 324.284

 45, 50.613,
324.284


 55, 50.613,
324.284


 65, 50.613,
324.284


 75, 50.613,
324.284


 85, 50.613,


324.284

 95, 50.613,
324.284


 15, 50.613,
324.284


 15, 50.613,
324.284

 15, 50.274,
324.235

 16, 47.227,
324.196

 17, 44.086,
324.164

 19, 40.022,
324.016

 20, 35.184,
323.768

 22, 29.784,
323.444

■ 25, 24.019,
323.065

■ 27, 18.051,
322.650

■ 29, 12.004,
322.216

■ 32, 5.968, 321.769

Harmonies

Complementary

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



15, 50.613, 324.284



29, 50.899, 134.800

Rectangle

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



15, 50.613, 324.284



15, 50.613, 14.284



15, 50.613, 144.284



15, 50.613, 194.284

Sweetspot

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



15, 50.274, 324.235



35, 22.477, 322.696



7, 50.906, 302.617



16, 15.457, 322.799



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



15, 50.274, 324.235



21, 60.451, 324.095



15, 38.683, 348.818



15, 3.381, 321.711



51, 108.489, 323.816

Inverse Universe

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



14, 39.386, 27.556



20, 49.195, 31.644



29, 40.994, 146.121



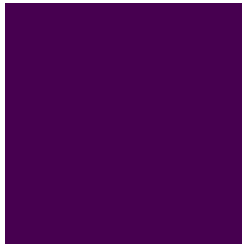
15, 2.040, 10.702



49, 92.354, 35.857

Previews

White Background



This preview shows how the CIE LCh color 15, 50.613, 324.284 looks on a white background.

Color Contrast Check

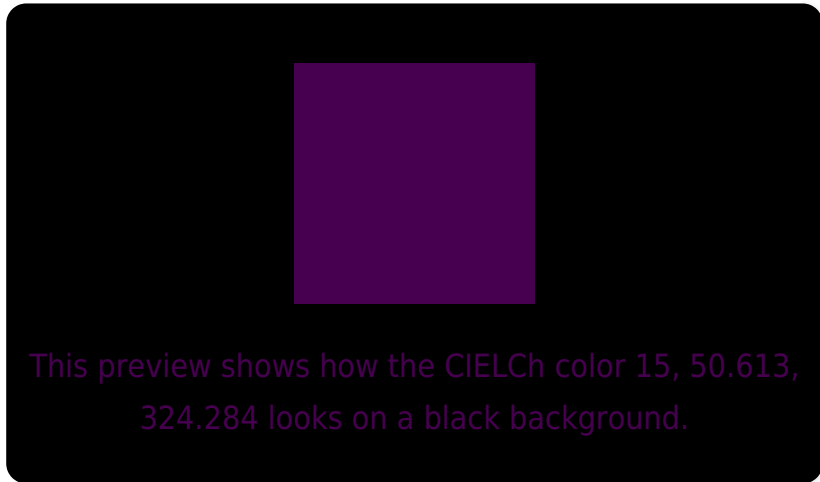
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

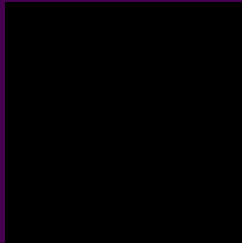
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 50.613, 324.284

Background



This preview shows how black text looks on a background with the CIELCh color 15, 50.613, 324.284.



This preview shows how white text looks on a background with the CIELCh color 15, 50.613, 324.284.

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, 50.192, 324.243

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 23.265, 273.514



Tritanopia
17, 17.621, 17.810

Trichromacy



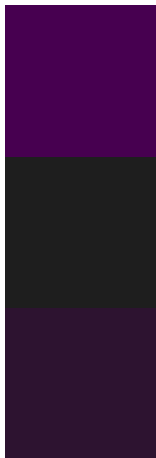
Original Color
15, 50.192, 324.243

Protanomaly
13, 40.920, 300.302

Deuteranomaly
13, 35.455, 301.448

Tritanomaly
15, 28.093, 341.476

Monochromacy



Original Color
15, 50.192, 324.243

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 23.301, 323.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 50.613, 324.284 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(71, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 80)  
}
```

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(71, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 50.613, 324.284 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(71, 0, 80) }
```

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

```
.border{ border-color:rgb(71, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 0, 80); box-shadow:4px  
4px 4px 4px rgb(71, 0, 80) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 50.613, 324.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 80) }
```

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

```
.background{ background-color: rgb(71, 0,  
80) }
```

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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