

Converting Colors

CIELCh(15, 49.037, 325.127)

Have a look what the booklet for
CIELCh(15, 49.037, 325.127)
contains.

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Color

CIELCh(15, 49.241, 325.046)

Conversions

Conversions Part 1

Format	Color
Hex	47004E
RGB	71, 0, 78
RGB Percent	28%, 0%, 31%
CMY	0.7206, 0.9990, 0.6932
CMYK	0.09, 1.00, 0.00, 0.69
HSL	295°, 99%, 15%
HSV	295°, 100%, 31%
XYZ	4.0042, 1.9086, 7.4112
YIQ	30.1210, 17.2780, 39.3100

Conversions

Conversions Part 2

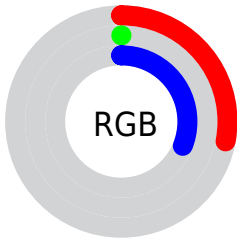
Format	Color
RYB	71, 0, 78
Decimal	4653134
CIELab	15.00, 40.36, -28.21
CIElCh	15, 49.241, 325.046
Yxy	1.9086, 0.3005, 0.1432
Android (android.graphics.Color)	4282843214 (0xFF47004E)
YUV	30.1210, 23.6043, 35.8509
Hunter-Lab	13.8151, 27.5607, -22.1358

Details

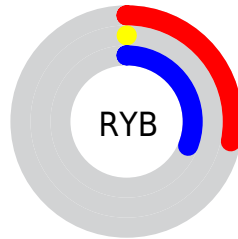
The CIELCh color **15, 49.241, 325.046** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **28, 50.087, 135.069**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 49.346, 324.721**, and **2, 20.688, 310.482** is the 20% darker color. If you saturate the color by 10%, you get **15, 49.345, 325.049**, and if you desaturate by 10%, it is **16, 46.255, 324.975**.

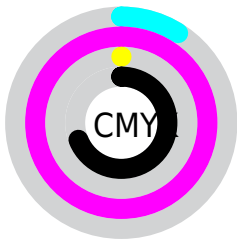
Distribution



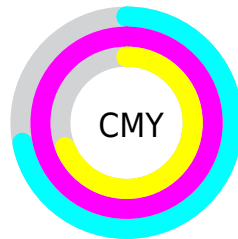
- Red (28%)
- Green (0%)
- Blue (31%)



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



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 49.241, 325.046 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, 49.241, 325.046 by changing the saturation by 10% instead.

 15, 49.241,
325.046


 15, 49.241,
325.046

 100, 49.241,
325.046


 5, 49.241, 325.046


 35, 49.241,
325.046

 0, 49.241, 325.046

 45, 49.241,
325.046

 55, 49.241,
325.046


 65, 49.241,
325.046


 75, 49.241,
325.046


 85, 49.241,


325.046

 95, 49.241,
325.046


 15, 49.241,
325.046


 15, 49.241,
325.046


 15, 49.345,
325.049

 16, 46.255,
324.975

 17, 43.167,
324.906

 18, 39.179,
324.731

 20, 34.433,
324.465

 22, 29.132,
324.126

■ 24, 23.466,
323.737

■ 26, 17.593,
323.313

■ 29, 11.638,
322.870

■ 31, 5.689, 322.413

Harmonies

Complementary

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



15, 49.241, 325.046



28, 50.087, 135.069

Rectangle

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



15, 49.241, 325.046



15, 49.241, 15.046



15, 49.241, 145.046



15, 49.241, 195.046

Sweetspot

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



15, 49.240, 325.046



34, 22.155, 323.375



7, 50.394, 302.815



15, 14.921, 323.470



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 49.240, 325.046



21, 59.286, 324.935



15, 37.685, 349.894



14, 3.222, 322.365



51, 107.344, 324.703

Inverse Universe

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



14, 38.748, 28.058



19, 48.654, 32.343



28, 39.562, 146.931



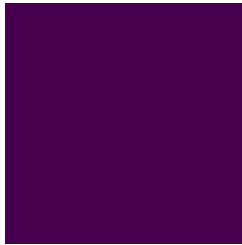
14, 1.922, 12.537



48, 92.791, 36.948

Previews

White Background



This preview shows how the CIELCh color 15, 49.241, 325.046 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, 49.241, 325.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

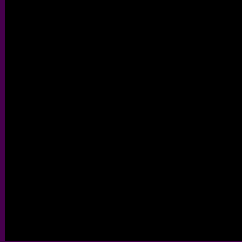
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 49.241, 325.046

Background



This preview shows how black text looks on a background with the CIELCh color 15, 49.241, 325.046.



This preview shows how white text looks on a background with the CIELCh color 15, 49.241, 325.046.

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, 49.241, 325.046

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 22.997, 276.503



Tritanopia
17, 18.229, 20.289

Trichromacy



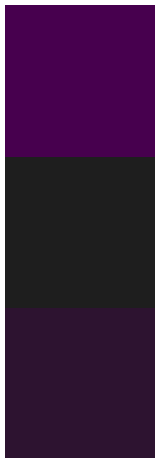
Original Color
15, 49.241, 325.046

Protanomaly
13, 40.271, 300.202

Deuteranomaly
14, 34.752, 302.850

Tritanomaly
15, 27.640, 344.638

Monochromacy



Original Color
15, 49.241, 325.046

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, 49.241, 325.046 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 49.241, 325.046 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, 78) }
```

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

```
.border{ border-color:rgb(71, 0, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 0, 78); box-shadow:4px  
4px 4px 4px rgb(71, 0, 78) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 49.241, 325.046 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, 78) }
```

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

```
.background{ background-color: rgb(71, 0,  
78) }
```

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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