

Converting Colors

CIELCh(15, 48.423, 326.999)

Have a look what the booklet for
CIELCh(15, 48.423, 326.999)
contains.

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Color

CIELCh(15, 48.222, 326.822)

Conversions

Conversions Part 1

Format	Color
Hex	49004C
RGB	73, 0, 76
RGB Percent	29%, 0%, 30%
CMY	0.7153, 1.0000, 0.7034
CMYK	0.04, 1.00, 0.00, 0.70
HSL	298°, 100%, 15%
HSV	298°, 100%, 30%
XYZ	4.0044, 1.9086, 6.9261
YIQ	30.4910, 19.1120, 39.1120

Conversions

Conversions Part 2

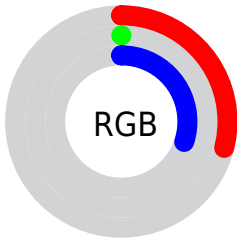
Format	Color
RYB	73, 0, 76
Decimal	4784204
CIELab	15.00, 40.36, -26.39
CIElCh	15, 48.222, 326.822
Yxy	1.9086, 0.3119, 0.1487
Android (android.graphics.Color)	4282974284 (0xFF49004C)
YUV	30.4910, 22.4359, 37.2804
Hunter-Lab	13.8151, 27.5626, -20.0539

Details

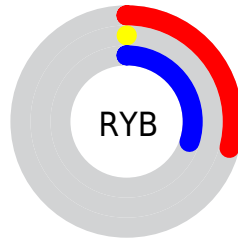
The CIELCh color **15, 48.222, 326.822** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 49.369, 135.611**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 48.268, 327.196**, and **3, 19.760, 315.730** is the 20% darker color. If you saturate the color by 10%, you get **15, 48.061, 326.806**, and if you desaturate by 10%, it is **16, 45.185, 326.663**.

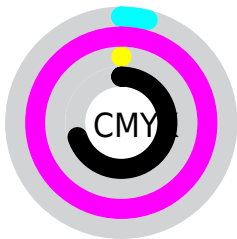
Distribution



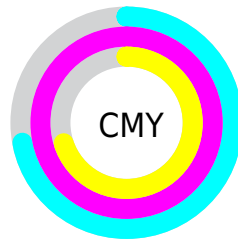
- Red (29%)
- Green (0%)
- Blue (30%)



- Red (29%)
- Yellow (0%)
- Blue (30%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (70%)





- Cyan (72%)
- Magenta (100%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 48.222, 326.822 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, 48.222, 326.822 by changing the saturation by 10% instead.

 15, 48.222,
326.822

 15, 48.222,
326.822

 100, 48.222,
326.822

 5, 48.222, 326.822


 35, 48.222,
326.822

 0, 48.222, 326.822

 45, 48.222,
326.822

 55, 48.222,
326.822


 65, 48.222,
326.822


 75, 48.222,
326.822


 85, 48.222,


326.822


 95, 48.222,
326.822


 15, 48.222,
326.822


 15, 48.222,
326.822


 15, 48.061,
326.806

 16, 45.185,
326.663

 17, 42.252,
326.520

 18, 38.463,
326.293

 20, 33.912,
325.989

 21, 28.787,
325.623

■ 23, 23.272,
325.209

■ 25, 17.525,
324.764

■ 28, 11.673,
324.299

■ 30, 5.811, 323.819

Harmonies

Complementary

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



15, 48.222, 326.822



27, 49.369, 135.611

Rectangle

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



15, 48.222, 326.822



15, 48.222, 16.822



15, 48.222, 146.822



15, 48.222, 196.822

Sweetspot

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



15, 48.061, 326.806



34, 21.981, 324.817



5, 51.049, 303.650



15, 15.111, 324.921



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, 48.061, 326.806



21, 58.039, 326.751



14, 36.148, 353.625



14, 3.271, 323.754



22, 59.081, 326.746



53, 106.933, 326.640

Inverse Universe

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



13, 38.310, 29.419



19, 48.587, 34.041



27, 36.936, 149.186



14, 1.911, 16.550



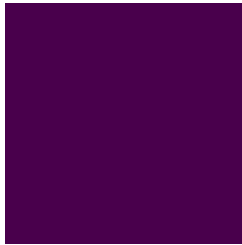
19, 49.654, 34.380



48, 94.970, 38.770

Previews

White Background



This preview shows how the CIE LCh color 15, 48.222, 326.822 looks on a white background.

Color Contrast Check

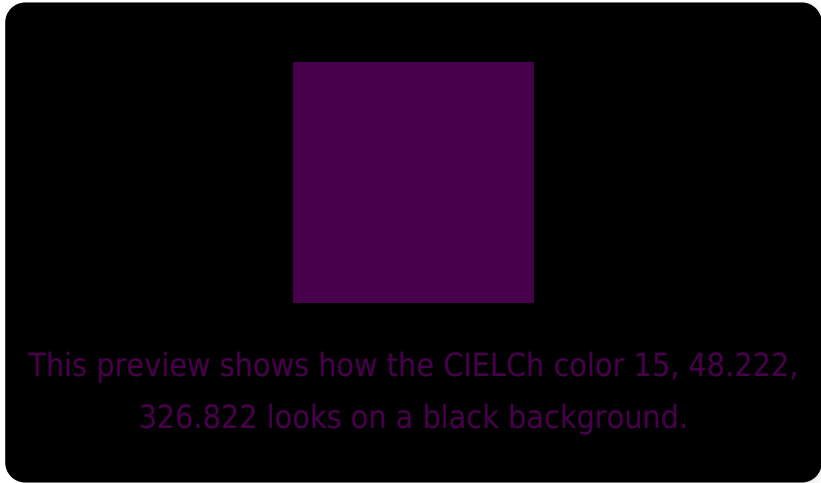
Large Text (above 18pt) WCAG AA ✓ Pass

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

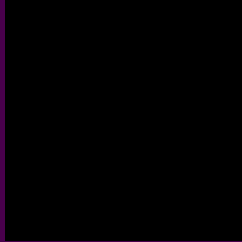
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 48.222, 326.822

Background



This preview shows how black text looks on a background with the CIELCh color 15, 48.222, 326.822.



This preview shows how white text looks on a background with the CIELCh color 15, 48.222, 326.822.

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, 48.222, 326.822

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 20.792, 276.928



Tritanopia
17, 19.845, 21.199

Trichromacy



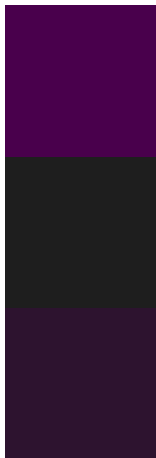
Original Color
15, 48.222, 326.822

Protanomaly
13, 39.621, 300.100

Deuteranomaly
14, 32.759, 305.720

Tritanomaly
15, 28.404, 347.137

Monochromacy



Original Color
15, 48.222, 326.822

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 22.732, 324.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 48.222, 326.822 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(73, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 76)  
}
```

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(73, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 48.222, 326.822 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(73, 0, 76) }
```

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

```
.border{ border-color:rgb(73, 0, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 0, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 76); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 0, 76); box-shadow:4px  
4px 4px 4px rgb(73, 0, 76) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 48.222, 326.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 0, 76) }
```

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

```
.background{ background-color: rgb(73, 0,  
76) }
```

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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