

Converting Colors

CIELCh(30, 111.917, 308.958)

Have a look what the booklet for
CIELCh(30, 111.917, 308.958)
contains.

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Color

CIELCh(30, 112.001, 309.003)

Conversions

Conversions Part 1

Format	Color
Hex	4B00D4
RGB	75, 0, 212
RGB Percent	29%, 0%, 83%
CMY	0.7063, 1.0000, 0.1690
CMYK	0.65, 1.00, 0.00, 0.17
HSL	261°, 100%, 42%
HSV	261°, 100%, 83%
XYZ	14.7620, 6.2359, 62.6500
YIQ	46.5930, -23.3520, 81.8320

Conversions

Conversions Part 2

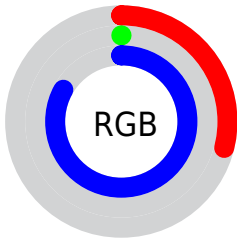
Format	Color
R _Y B	75, 0, 212
Decimal	4915412
CIE Lab	30.00, 70.49, -87.04
CIE LCh	30, 112.001, 309.003
Yxy	6.2359, 0.1765, 0.0745
Android (android.graphics.Color)	4283105492 (0xFF4B00D4)
YUV	46.5930, 81.5457, 24.9129
Hunter-Lab	24.9718, 61.8193, -131.2683

Details

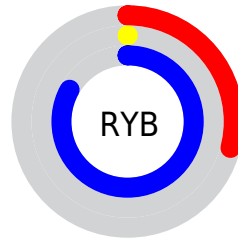
The CIELCh color **30, 112.001, 309.003** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **77, 90.491, 122.500**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 104.523, 309.692**, and **17, 92.701, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 111.970, 308.997**, and if you desaturate by 10%, it is **33, 106.606, 309.273**.

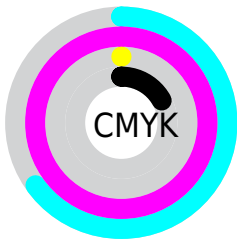
Distribution



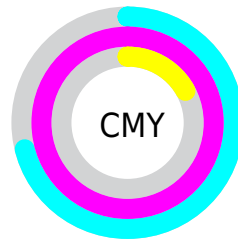
- Red (29%)
- Green (0%)
- Blue (83%)



- Red (29%)
- Yellow (0%)
- Blue (83%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (71%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 112.001, 309.003 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 30, 112.001, 309.003 by changing the saturation by 10% instead.


 30, 112.001,
309.003


 30, 112.001,
309.003


 100, 112.001,
309.003


 20, 112.001,
309.003


 50, 112.001,
309.003


 10, 112.001,
309.003

 60, 112.001,
309.003

 0, 112.001,
309.003

 70, 112.001,
309.003

 80, 112.001,
309.003

 90, 112.001,
309.003

■ 30, 112.001,
309.003

■ 30, 112.001,
309.003

■ 30, 111.970,
308.997

■ 33, 106.606,
309.273

■ 37, 98.225,
309.146

■ 41, 87.319,
308.653

■ 47, 74.995,
307.954

■ 53, 62.081,
307.171

■ 59, 49.082,
306.384

■ 65, 36.276,
305.636

■ 72, 23.796,

304.950

■ 78, 11.702,
304.331

Harmonies

Complementary

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



30, 112.001, 309.003



77, 90.491, 122.500

Rectangle

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



30, 112.001, 309.003



30, 112.001, 359.003



30, 112.001, 129.003



30, 112.001, 179.003

Sweetspot

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



30, 111.970, 308.997



77, 42.176, 305.659



55, 46.741, 265.359



38, 28.961, 305.972



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 111.970, 308.997



37, 128.920, 308.893



45, 101.750, 322.447



42, 6.693, 304.298



23, 95.200, 309.146



3, 28.243, 303.190

Inverse Universe

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



47, 77.640, 349.269



56, 89.097, 349.576



74, 103.070, 135.240



42, 6.122, 337.170



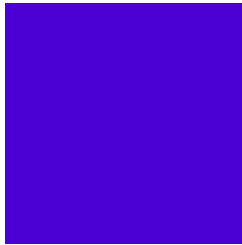
37, 66.320, 348.846



5, 25.525, 344.299

Previews

White Background



This preview shows how the CIE LCh color 30, 112.001, 309.003 looks on a white background.

Color Contrast Check

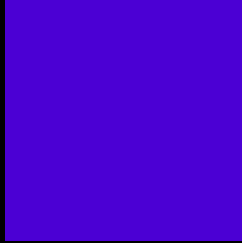
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 112.001, 309.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

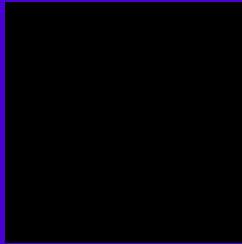
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 112.001, 309.003

Background



This preview shows how black text looks on a background with the CIELCh color 30, 112.001, 309.003.



This preview shows how white text looks on a background with the CIELCh color 30, 112.001, 309.003.

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

30, 112.001, 309.003

Deuteranopia

31, 33.848, 270.504

Tritanopia

30, 20.901, 207.329

Trichromacy



Original Color
30, 112.001, 309.003

Deuteranomaly
26, 69.746, 299.066

Tritanomaly
25, 52.941, 294.723

Monochromacy



Original Color
30, 112.001, 309.003

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 51.433, 308.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 112.001, 309.003 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(75, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 212)  
}
```

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(75, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 112.001, 309.003 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(75, 0, 212) }
```

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

```
.border{ border-color:rgb(75, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 112.001, 309.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 212) }
```

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

```
.background{ background-color: rgb(75, 0,  
212) }
```

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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