

Converting Colors

CIELCh(30, 113.038, 308.884)

Have a look what the booklet for
CIELCh(30, 113.038, 308.884)
contains.

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Color

CIELCh(30, 113.069, 308.806)

Conversions

Conversions Part 1

Format	Color
Hex	4900D6
RGB	73, 0, 214
RGB Percent	29%, 0%, 84%
CMY	0.7150, 1.0000, 0.1618
CMYK	0.66, 1.00, 0.00, 0.16
HSL	260°, 100%, 42%
HSV	260°, 100%, 84%
XYZ	14.8230, 6.2359, 63.8715
YIQ	46.2230, -25.1860, 82.0300

Conversions

Conversions Part 2

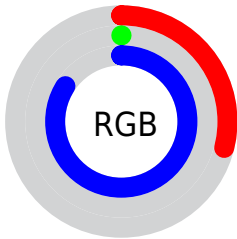
Format	Color
RYB	73, 0, 214
Decimal	4784342
CIELab	30.00, 70.86, -88.11
CIElCh	30, 113.069, 308.806
Yxy	6.2359, 0.1745, 0.0734
Android (android.graphics.Color)	4282974422 (0xFF4900D6)
YUV	46.2230, 82.7141, 23.4834
Hunter-Lab	24.9718, 62.2553, -134.1684

Details

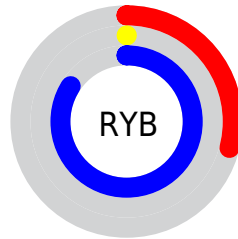
The CIELCh color **30, 113.069, 308.806** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **78, 90.690, 121.904**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 104.565, 309.562**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 112.991, 308.790**, and if you desaturate by 10%, it is **33, 107.568, 309.035**.

Distribution



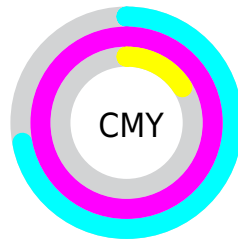
- Red (29%)
- Green (0%)
- Blue (84%)



- Red (29%)
- Yellow (0%)
- Blue (84%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (72%)
- Magenta (100%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 113.069, 308.806 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, 113.069, 308.806 by changing the saturation by 10% instead.


 30, 113.069,
308.806


 30, 113.069,
308.806


 100, 113.069,
308.806


 20, 113.069,
308.806


 50, 113.069,
308.806


 10, 113.069,
308.806

 60, 113.069,
308.806

 0, 113.069,
308.806

 70, 113.069,
308.806

 80, 113.069,
308.806

 90, 113.069,
308.806

■ 30, 113.069,
308.806

■ 30, 113.069,
308.806

■ 30, 112.991,
308.790

■ 33, 107.568,
309.035

■ 37, 99.061,
308.869

■ 41, 88.001,
308.334

■ 47, 75.528,
307.595

■ 53, 62.484,
306.777

■ 59, 49.377,
305.960

■ 66, 36.479,
305.188

■ 72, 23.922,

304.482

■ 79, 11.761,
303.848

Harmonies

Complementary

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



30, 113.069, 308.806



78, 90.690, 121.904

Rectangle

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



30, 113.069, 308.806



30, 113.069, 358.806



30, 113.069, 128.806



30, 113.069, 178.806

Sweetspot

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



30, 112.991, 308.790



77, 42.114, 305.210



56, 45.618, 262.617



38, 28.924, 305.533



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, 112.991, 308.790



36, 129.243, 308.693



45, 102.633, 321.833



42, 6.680, 303.814



23, 95.440, 308.941



2, 28.196, 302.772

Inverse Universe

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



47, 78.722, 348.200



56, 89.761, 348.475



75, 103.538, 135.093



42, 6.181, 336.583



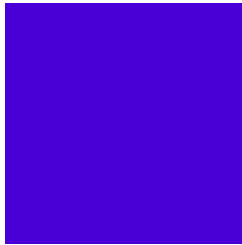
38, 66.818, 347.787



5, 25.752, 343.467

Previews

White Background



This preview shows how the CIELCh color 30, 113.069, 308.806 looks on a white background.

Color Contrast Check

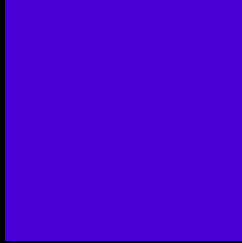
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.069, 308.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

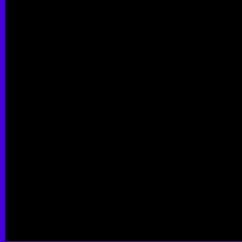
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 113.069, 308.806

Background



This preview shows how black text looks on a background with the CIELCh color 30, 113.069, 308.806.



This preview shows how white text looks on a background with the CIELCh color 30, 113.069, 308.806.

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, 113.069, 308.806

Protanopia

31, 49.304, 285.461

Deuteranopia

31, 33.848, 270.504



Tritanopia
30, 20.901, 207.329

Trichromacy



Original Color
30, 113.069, 308.806

Protanomaly
27, 79.502, 300.890

Deuteranomaly
26, 69.767, 298.984

Tritanomaly
24, 52.959, 294.581

Monochromacy



Original Color
30, 113.069, 308.806

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 52.088, 308.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 113.069, 308.806 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 113.069, 308.806 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, 214) }
```

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

```
.border{ border-color:rgb(73, 0, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(73, 0, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 113.069, 308.806 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, 214) }
```

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

```
.background{ background-color: rgb(73, 0,  
214) }
```

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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