

Converting Colors

CIELCh(29, 106.643, 309.770)

Have a look what the booklet for
CIELCh(29, 106.643, 309.770)
contains.

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Color

CIELCh(29, 106.306, 309.720)

Conversions

Conversions Part 1

Format	Color
Hex	4F00C8
RGB	79, 0, 200
RGB Percent	31%, 0%, 78%
CMY	0.6900, 0.9997, 0.2155
CMYK	0.60, 1.00, 0.00, 0.22
HSL	264°, 100%, 39%
HSV	264°, 100%, 78%
XYZ	13.6593, 5.8380, 55.0759
YIQ	46.4210, -17.1160, 78.9480

Conversions

Conversions Part 2

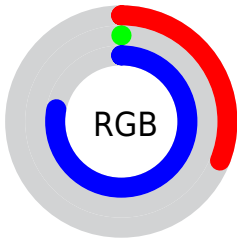
Format	Color
RYB	79, 0, 200
Decimal	5177544
CIELab	29.00, 67.93, -81.77
CIELCh	29, 106.306, 309.720
Yxy	5.8380, 0.1832, 0.0783
Android (android.graphics.Color)	4283367624 (0xFF4F00C8)
YUV	46.4210, 75.7144, 28.5718
Hunter-Lab	24.1619, 58.6270, -118.2351

Details

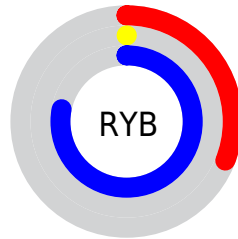
The CIELCh color **29, 106.306, 309.720** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **73, 87.820, 124.224**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 104.954, 309.918**, and **16, 87.429, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 106.324, 309.720**, and if you desaturate by 10%, it is **32, 101.171, 310.067**.

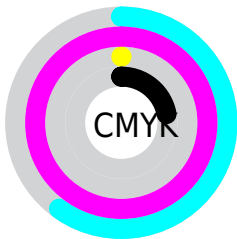
Distribution



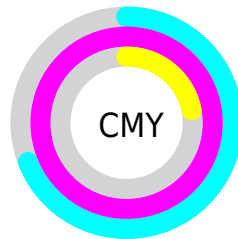
- Red (31%)
- Green (0%)
- Blue (78%)



- Red (31%)
- Yellow (0%)
- Blue (78%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (69%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 106.306, 309.720 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 29, 106.306, 309.720 by changing the saturation by 10% instead.


 29, 106.306,
309.720


 29, 106.306,
309.720


 100, 106.306,
309.720


 19, 106.306,
309.720


 49, 106.306,
309.720


 9, 106.306,
309.720

 59, 106.306,
309.720

 0, 106.306,
309.720

 69, 106.306,
309.720

 79, 106.306,
309.720

 89, 106.306,
309.720

 99, 106.306,

309.720

■ 29, 106.306,
309.720

■ 29, 106.306,
309.720

■ 29, 106.324,
309.720

■ 32, 101.171,
310.067

■ 35, 93.326,
310.042

■ 40, 83.116,
309.664

■ 45, 71.526,
309.078

■ 51, 59.313,
308.398

■ 56, 46.959,
307.697

■ 62, 34.741,
307.021

■ 68, 22.800,
306.392

■ 75, 11.202,
305.818

Harmonies

Complementary

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



29, 106.306, 309.720



73, 87.820, 124.224

Rectangle

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



29, 106.306, 309.720



29, 106.306, 359.720



29, 106.306, 129.720



29, 106.306, 179.720

Sweetspot

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



29, 106.307, 309.721



78, 42.382, 307.051



50, 47.648, 270.265



38, 29.089, 307.337



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



29, 106.307, 309.721



38, 127.873, 309.570



43, 97.067, 323.706



39, 6.338, 305.786



23, 91.250, 309.877



2, 22.018, 302.363

Inverse Universe

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



44, 72.882, 352.639



56, 87.284, 353.139



71, 99.021, 135.475



39, 5.592, 339.061



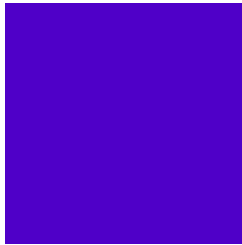
35, 62.829, 352.154



4, 19.087, 346.477

Previews

White Background



This preview shows how the CIE LCh color 29, 106.306, 309.720 looks on a white background.

Color Contrast Check

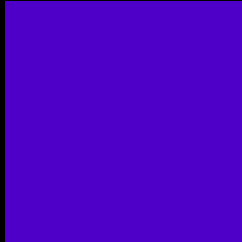
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 106.306, 309.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

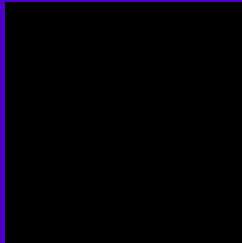
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 106.306, 309.720

Background



This preview shows how black text looks on a background with the CIELCh color 29, 106.306, 309.720.



This preview shows how white text looks on a background with the CIELCh color 29, 106.306, 309.720.

309.720.

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


29, 106.306, 309.720

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 18.390, 209.137

Trichromacy



Original Color
29, 106.306, 309.720

Protanomaly
26, 76.828, 301.136

Deuteranomaly
25, 67.012, 299.230

Tritanomaly
25, 49.696, 296.887

Monochromacy



Original Color
29, 106.306, 309.720

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 49.103, 309.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 106.306, 309.720 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(79, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 200)  
}
```

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(79, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 106.306, 309.720 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(79, 0, 200) }
```

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

```
.border{ border-color:rgb(79, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(79, 0, 200)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 106.306, 309.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 200) }
```

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

```
.background{ background-color: rgb(79, 0,  
200) }
```

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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