

Converting Colors

CIELCh(29, 102.716, 308.313)

Have a look what the booklet for
CIELCh(29, 102.716, 308.313)
contains.

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Color

CIELCh(29, 102.613, 308.284)

Conversions

Conversions Part 1

Format	Color
Hex	4712C6
RGB	71, 18, 198
RGB Percent	28%, 7%, 78%
CMY	0.7220, 0.9299, 0.2239
CMYK	0.64, 0.91, 0.00, 0.22
HSL	258°, 83%, 42%
HSV	258°, 91%, 78%
XYZ	12.9887, 5.8380, 53.8185
YIQ	54.3670, -26.1920, 67.2160

Conversions

Conversions Part 2

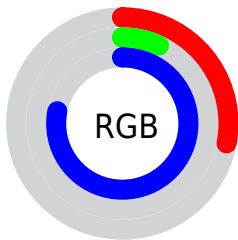
Format	Color
R _Y B	71, 18, 198
Decimal	4657862
CIE Lab	29.00, 63.57, -80.55
CIE LCh	29, 102.613, 308.284
Yxy	5.8380, 0.1788, 0.0804
Android (android.graphics.Color)	4282847942 (0xFF4712C6)
YUV	54.3670, 70.8111, 14.5871
Hunter-Lab	24.1619, 53.6724, -115.1496

Details

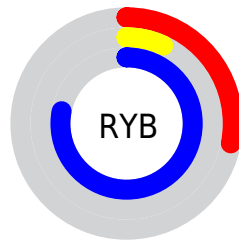
The CIELCh color **29, 102.613, 308.284** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **74, 81.787, 118.855**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 102.300, 308.392**, and **15, 86.542, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 107.463, 308.213**, and if you desaturate by 10%, it is **33, 94.547, 307.997**.

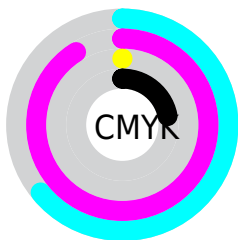
Distribution



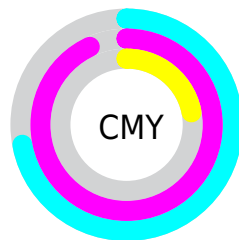
- Red (28%)
- Green (7%)
- Blue (78%)



- Red (28%)
- Yellow (7%)
- Blue (78%)



- Cyan (64%)
- Magenta (91%)
- Yellow (0%)
- Black (22%)





- Cyan (72%)
- Magenta (93%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 102.613, 308.284 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, 102.613, 308.284 by changing the saturation by 10% instead.


 29, 102.613,
308.284


 29, 102.613,
308.284


 100, 102.613,
308.284


 19, 102.613,
308.284


 49, 102.613,
308.284


 9, 102.613,
308.284

 59, 102.613,
308.284

 0, 102.613,
308.284

 69, 102.613,
308.284

 79, 102.613,
308.284

 89, 102.613,
308.284

 99, 102.613,

308.284

■ 29, 102.613,
308.284

■ 29, 102.613,
308.284

■ 27, 107.463,
308.213

■ 33, 94.547,
307.997

■ 37, 84.007,
307.325

■ 43, 72.141,
306.451

■ 48, 59.776,
305.509

■ 54, 47.398,
304.586

■ 61, 35.255,
303.724

■ 67, 23.460,
302.945

■ 73, 12.056,
302.251

■ 79, 1.050, 301.604

Harmonies

Complementary

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



29, 102.613, 308.284



74, 81.787, 118.855

Rectangle

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



29, 102.613, 308.284



29, 102.613, 358.284



29, 102.613, 128.284



29, 102.613, 178.284

Sweetspot

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



29, 102.614, 308.285



79, 37.535, 303.437



57, 37.766, 248.900



39, 25.442, 303.717



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, 102.614, 308.285



35, 130.281, 308.082



41, 94.968, 320.512



39, 6.244, 302.149



21, 92.978, 308.339



2, 21.801, 299.452

Inverse Universe

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



45, 75.862, 342.946



57, 92.291, 344.907



70, 93.896, 134.150



39, 6.006, 334.664



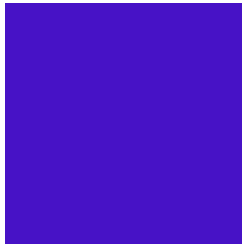
36, 66.456, 344.280



4, 20.662, 340.239

Previews

White Background



This preview shows how the CIE LCh color 29, 102.613, 308.284 looks on a white background.

Color Contrast Check

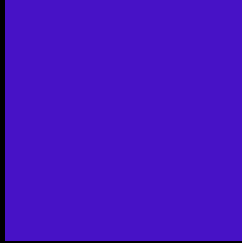
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.613, 308.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

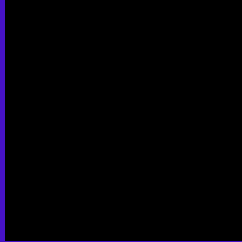
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 102.613, 308.284

Background



This preview shows how black text looks on a background with the CIELCh color 29, 102.613, 308.284.



This preview shows how white text looks on a background with the CIELCh color 29, 102.613, 308.284.

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, 102.613, 308.284

Protanopia

29, 47.153, 285.031

Deuteranopia

29, 32.757, 270.687



Tritanopia
29, 20.422, 205.767

Trichromacy



Original Color
29, 102.613, 308.284

Protanomaly
27, 71.385, 299.048

Deuteranomaly
26, 61.843, 296.600

Tritanomaly
25, 44.558, 290.018

Monochromacy



Original Color
29, 102.613, 308.284

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 43.459, 306.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 102.613, 308.284 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, 18, 198)` looks like.

```
.text, #text, p{  
    color:rgb(71, 18, 198)  
}
```

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, 18, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 18, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 102.613, 308.284 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, 18, 198) }
```

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

```
.border{ border-color:rgb(71, 18, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 18, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 18, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 18, 198);  
box-shadow:4px 4px 4px 4px rgb(71, 18,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 102.613, 308.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 18, 198) }
```

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

```
.background{ background-color: rgb(71, 18,  
198) }
```

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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