

Converting Colors

CIELCh(29, 112.963, 308.330)

Have a look what the booklet for
CIELCh(29, 112.963, 308.330)
contains.

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Color

CIELCh(29, 112.963, 308.330)

Conversions

Conversions Part 1

Format	Color
Hex	4100D4
RGB	65, 0, 212
RGB Percent	25%, 0%, 83%
CMY	0.7467, 1.0000, 0.1698
CMYK	0.69, 1.00, 0.00, 0.17
HSL	258°, 100%, 42%
HSV	258°, 100%, 83%
XYZ	13.9945, 5.8380, 62.4834
YIQ	43.6030, -29.3120, 79.7120

Conversions

Conversions Part 2

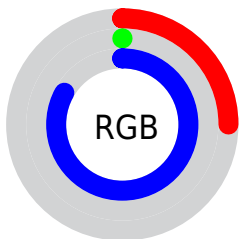
Format	Color
R_{YB}	65, 0, 212
Decimal	4260052
CIE _{Lab}	29.00, 70.06, -88.61
CIE _{LCh}	29, 112.963, 308.330
Yxy	5.8380, 0.1700, 0.0709
Android (android.graphics.Color)	4282450132 (0xFF4100D4)
YUV	43.6030, 83.0197, 18.7652
Hunter-Lab	24.1619, 61.1034, -136.4122

Details

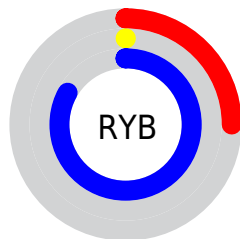
The CIELCh color **29, 112.963, 308.330** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **78, 89.043, 120.259**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 105.307, 308.901**, and **17, 92.701, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 112.874, 308.311**, and if you desaturate by 10%, it is **32, 107.351, 308.451**.

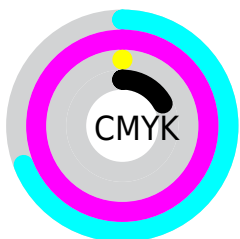
Distribution



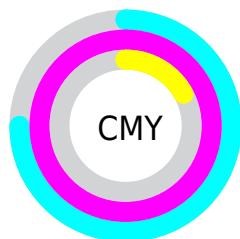
- Red (25%)
- Green (0%)
- Blue (83%)



- Red (25%)
- Yellow (0%)
- Blue (83%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (75%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 112.963, 308.330 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, 112.963, 308.330 by changing the saturation by 10% instead.


 29, 112.963,
308.330


 29, 112.963,
308.330


 100, 112.963,
308.330


 19, 112.963,
308.330


 49, 112.963,
308.330


 9, 112.963,
308.330


 59, 112.963,
308.330

 0, 112.963,
308.330

 69, 112.963,
308.330

 79, 112.963,
308.330

 89, 112.963,
308.330

 99, 112.963,

308.330

■ 29, 112.963,
308.330

■ 29, 112.963,
308.330

■ 29, 112.874,
308.311

■ 32, 107.351,
308.451

■ 36, 98.696,
308.170

■ 41, 87.502,
307.515

■ 46, 74.958,
306.665

■ 52, 61.914,
305.750

■ 59, 48.865,
304.852

■ 65, 36.065,
304.015

■ 72, 23.634,
303.256

■ 78, 11.613,
302.581

Harmonies

Complementary

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



29, 112.963, 308.330



78, 89.043, 120.259

Rectangle

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



29, 112.963, 308.330



29, 112.963, 358.330



29, 112.963, 128.330



29, 112.963, 178.330

Sweetspot

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



29, 112.874, 308.311



77, 41.965, 304.040



58, 42.740, 256.622



38, 28.832, 304.389



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, 112.874, 308.311



36, 130.047, 308.216



43, 102.374, 320.641



42, 6.647, 302.545



23, 96.040, 308.447



2, 28.087, 301.735

Inverse Universe

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



47, 79.822, 345.472



57, 91.663, 345.718



74, 102.313, 134.737



42, 6.337, 335.107



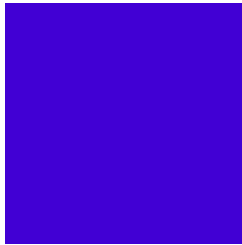
38, 68.230, 345.136



6, 26.371, 341.389

Previews

White Background



This preview shows how the CIE LCh color 29, 112.963, 308.330 looks on a white background.

Color Contrast Check

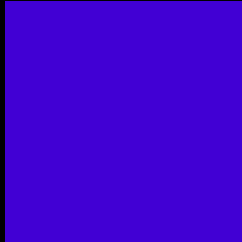
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.963, 308.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

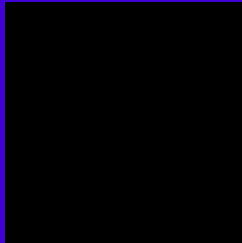
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 112.963, 308.330

Background



This preview shows how black text looks on a background with the CIELCh color 29, 112.963, 308.330.



This preview shows how white text looks on a background with the CIELCh color 29, 112.963, 308.330.

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, 112.963, 308.330

Protanopia

30, 47.676, 285.065

Deuteranopia

29, 33.298, 271.005



Tritanopia
30, 20.606, 205.662

Trichromacy



Original Color
29, 112.963, 308.330

Protanomaly
26, 78.621, 300.941

Deuteranomaly
25, 69.437, 299.091

Tritanomaly
24, 52.498, 294.303

Monochromacy



Original Color
29, 112.963, 308.330

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 51.752, 307.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 112.963, 308.330 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(65, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 112.963, 308.330 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(65, 0, 212) }
```

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

```
.border{ border-color:rgb(65, 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(65, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 112.963, 308.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 212) }
```

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

```
.background{ background-color: rgb(65, 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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