

Converting Colors

CIELCh(29, 108.054, 307.020)

Have a look what the booklet for
CIELCh(29, 108.054, 307.020)
contains.

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Color

CIELCh(29, 108.125, 306.975)

Conversions

Conversions Part 1

Format	Color
Hex	3813D0
RGB	56, 19, 208
RGB Percent	22%, 7%, 82%
CMY	0.7814, 0.9263, 0.1850
CMYK	0.73, 0.91, 0.00, 0.18
HSL	252°, 83%, 44%
HSV	252°, 91%, 82%
XYZ	13.2106, 5.8380, 59.9984
YIQ	51.6090, -38.6170, 66.6230

Conversions

Conversions Part 2

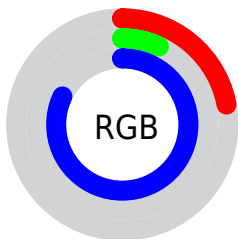
Format	Color
R _{YB}	56, 19, 208
Decimal	3675088
CIE _{Lab}	29.00, 65.03, -86.38
CIE _{LCh}	29, 108.125, 306.975
Yxy	5.8380, 0.1671, 0.0739
Android (android.graphics.Color)	4281865168 (0xFF3813D0)
YUV	51.6090, 77.1008, 3.8509
Hunter-Lab	24.1619, 55.3120, -130.3144

Details

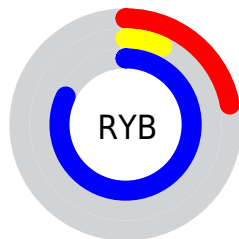
The CIELCh color **29, 108.125, 306.975** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **78, 82.926, 113.945**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 102.125, 307.136**, and **17, 90.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 113.116, 307.169**, and if you desaturate by 10%, it is **33, 99.411, 306.329**.

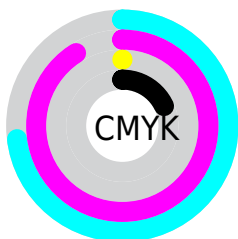
Distribution



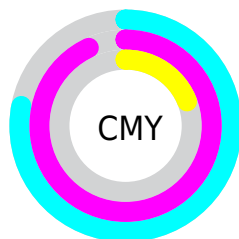
- Red (22%)
- Green (7%)
- Blue (82%)



- Red (22%)
- Yellow (7%)
- Blue (82%)



- Cyan (73%)
- Magenta (91%)
- Yellow (0%)
- Black (18%)





- Cyan (78%)
- Magenta (93%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 108.125, 306.975 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, 108.125, 306.975 by changing the saturation by 10% instead.


 29, 108.125,
306.975


 29, 108.125,
306.975


 100, 108.125,
306.975


 19, 108.125,
306.975


 49, 108.125,
306.975


 9, 108.125,
306.975

 59, 108.125,
306.975

 0, 108.125,
306.975

 69, 108.125,
306.975

 79, 108.125,
306.975

 89, 108.125,
306.975

 99, 108.125,

306.975

■ 29, 108.125,
306.975

■ 29, 108.125,
306.975

■ 27, 113.116,
307.169

■ 33, 99.411,
306.329

■ 38, 87.974,
305.266

■ 44, 75.218,
304.012

■ 50, 62.083,
302.734

■ 56, 49.071,
301.525

■ 63, 36.409,
300.430

■ 70, 24.182,
299.461

■ 76, 12.408,
298.616

■ 83, 1.077, 297.877

Harmonies

Complementary

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



29, 108.125, 306.975



78, 82.926, 113.945

Rectangle

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



29, 108.125, 306.975



29, 108.125, 356.975



29, 108.125, 126.975



29, 108.125, 176.975

Sweetspot

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



29, 108.127, 306.976



79, 37.223, 300.063



65, 36.780, 229.139



39, 25.248, 300.411



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, 108.127, 306.976



34, 132.124, 307.094



40, 99.908, 317.316



40, 6.436, 298.496



21, 96.541, 307.267



2, 25.773, 298.152

Inverse Universe

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



48, 84.196, 337.037



58, 99.005, 338.120



74, 95.321, 132.287



41, 6.717, 330.926



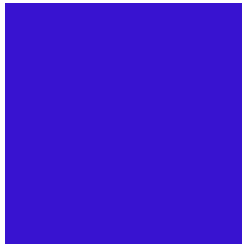
38, 72.809, 337.805



5, 26.750, 335.444

Previews

White Background



This preview shows how the CIE LCh color 29, 108.125, 306.975 looks on a white background.

Color Contrast Check

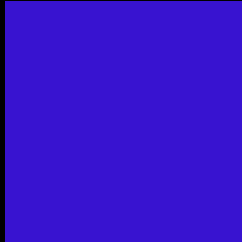
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.125, 306.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

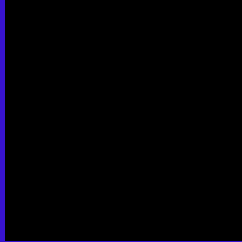
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 108.125, 306.975

Background



This preview shows how black text looks on a background with the CIELCh color 29, 108.125, 306.975.



This preview shows how white text looks on a background with the CIELCh color 29, 108.125, 306.975.

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, 108.125, 306.975

Protanopia

29, 47.219, 285.346

Deuteranopia

29, 32.225, 269.933



Tritanopia
29, 20.238, 205.874

Trichromacy



Original Color
29, 108.125, 306.975

Protanomaly
27, 73.193, 298.928

Deuteranomaly
26, 63.705, 296.472

Tritanomaly
25, 47.202, 290.496

Monochromacy



Original Color
29, 108.125, 306.975

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 46.131, 304.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 108.125, 306.975 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(56, 19, 208)` looks like.

```
.text, #text, p{  
    color:rgb(56, 19, 208)  
}
```

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(56, 19, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 19, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 108.125, 306.975 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(56, 19, 208) }
```

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

```
.border{ border-color:rgb(56, 19, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 19, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 19, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 19, 208);  
box-shadow:4px 4px 4px 4px rgb(56, 19,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 108.125, 306.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 19, 208) }
```

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

```
.background{ background-color: rgb(56, 19,  
208) }
```

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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