

Converting Colors

CIELCh(29, 112.835, 307.649)

Have a look what the booklet for
CIELCh(29, 112.835, 307.649)
contains.

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Color

CIELCh(29, 112.930, 307.664)

Conversions

Conversions Part 1

Format	Color
Hex	3A06D5
RGB	58, 6, 213
RGB Percent	23%, 2%, 84%
CMY	0.7723, 0.9763, 0.1646
CMYK	0.73, 0.97, 0.00, 0.16
HSL	255°, 94%, 43%
HSV	255°, 97%, 84%
XYZ	13.8275, 5.8380, 63.3698
YIQ	45.1460, -35.4550, 75.4010

Conversions

Conversions Part 2

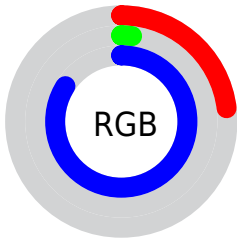
Format	Color
R _Y B	58, 6, 213
Decimal	3802837
CIE Lab	29.00, 69.00, -89.40
CIE LCh	29, 112.930, 307.664
Yxy	5.8380, 0.1665, 0.0703
Android (android.graphics.Color)	4281992917 (0xFF3A06D5)
YUV	45.1460, 82.7520, 11.2730
Hunter-Lab	24.1619, 59.8691, -138.5873

Details

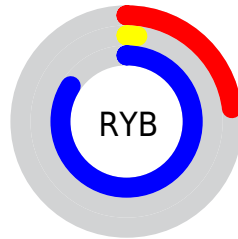
The CIELCh color **29, 112.930, 307.664** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **79, 87.339, 117.316**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 104.549, 308.078**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 114.391, 307.674**, and if you desaturate by 10%, it is **32, 106.551, 307.566**.

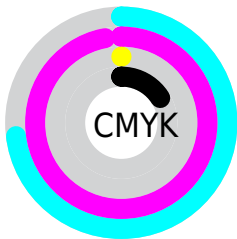
Distribution



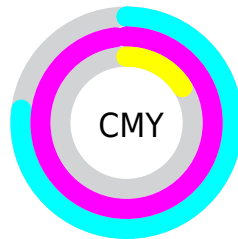
- Red (23%)
- Green (2%)
- Blue (84%)



- Red (23%)
- Yellow (2%)
- Blue (84%)



- Cyan (73%)
- Magenta (97%)
- Yellow (0%)
- Black (16%)





- Cyan (77%)
- Magenta (98%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 112.930, 307.664 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, 112.930, 307.664 by changing the saturation by 10% instead.

 29, 112.930,
307.664


 29, 112.930,
307.664


 100, 112.930,
307.664


 19, 112.930,
307.664


 49, 112.930,
307.664


 9, 112.930,
307.664


 59, 112.930,
307.664

 0, 112.930,
307.664

 69, 112.930,
307.664

 79, 112.930,
307.664

 89, 112.930,
307.664

 99, 112.930,

307.664

■ 29, 112.930,
307.664

■ 29, 112.930,
307.664

■ 28, 114.391,
307.674

■ 32, 106.551,
307.566

■ 36, 96.714,
306.963

■ 42, 84.679,
306.036

■ 48, 71.644,
304.971

■ 54, 58.370,
303.895

■ 60, 45.260,
302.878

■ 67, 32.499,
301.954

■ 74, 20.162,
301.133

■ 81, 8.266, 300.412

Harmonies

Complementary

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



29, 112.930, 307.664



79, 87.339, 117.316

Rectangle

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



29, 112.930, 307.664



29, 112.930, 357.664



29, 112.930, 127.664



29, 112.930, 177.664

Sweetspot

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



29, 112.932, 307.665



78, 40.300, 302.143



62, 39.615, 245.454



38, 27.866, 302.538



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, 112.932, 307.665



35, 131.162, 307.595



42, 102.878, 319.069



41, 6.603, 300.566



22, 96.884, 307.795



2, 27.949, 300.271

Inverse Universe

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



48, 83.000, 341.182



57, 95.036, 341.783



75, 101.013, 133.949



42, 6.585, 332.970



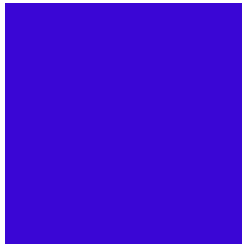
38, 70.713, 341.349



6, 27.398, 338.428

Previews

White Background



This preview shows how the CIELCh color 29, 112.930, 307.664 looks on a white background.

Color Contrast Check

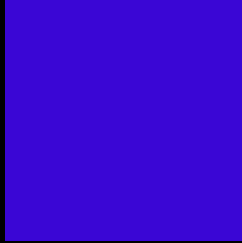
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.930, 307.664 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, 112.930, 307.664

Background



This preview shows how black text looks on a background with the CIELCh color 29, 112.930, 307.664.



This preview shows how white text looks on a background with the CIELCh color 29, 112.930, 307.664.

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, 112.930, 307.664

Protanopia

29, 47.743, 285.376

Deuteranopia

29, 32.235, 269.510



Tritanopia
29, 20.511, 203.848

Trichromacy



Original Color
29, 112.930, 307.664

Protanomaly
26, 77.417, 300.331

Deuteranomaly
25, 67.566, 298.201

Tritanomaly
24, 51.216, 293.342

Monochromacy



Original Color
29, 112.930, 307.664

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 50.414, 306.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 112.930, 307.664 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(58, 6, 213)` looks like.

```
.text, #text, p{  
    color:rgb(58, 6, 213)  
}
```

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(58, 6, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 6, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 112.930, 307.664 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(58, 6, 213) }
```

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

```
.border{ border-color:rgb(58, 6, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 6, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 6, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 6, 213);  
box-shadow:4px 4px 4px 4px rgb(58, 6, 213)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 112.930, 307.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 6, 213) }
```

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

```
.background{ background-color: rgb(58, 6,  
213) }
```

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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