

Converting Colors

CIELCh(29, 100.233, 311.153)

Have a look what the booklet for
CIELCh(29, 100.233, 311.153)
contains.

CIELCh(29, 100.084, 311.199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(29, 100.084, 311.199)

Conversions

Conversions Part 1

Format	Color
Hex	5901BD
RGB	89, 1, 189
RGB Percent	35%, 0%, 74%
CMY	0.6504, 0.9952, 0.2583
CMYK	0.53, 0.99, 0.00, 0.26
HSL	268°, 99%, 37%
HSV	268°, 99%, 74%
XYZ	13.3472, 5.8380, 48.6435
YIQ	48.7440, -7.9000, 77.1240

Conversions

Conversions Part 2

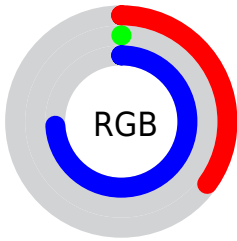
Format	Color
RYB	89, 1, 189
Decimal	5833149
CIELab	29.00, 65.92, -75.31
CIElCh	29, 100.084, 311.199
Yxy	5.8380, 0.1968, 0.0861
Android (android.graphics.Color)	4284023229 (0xFF5901BD)
YUV	48.7440, 69.1462, 35.3045
Hunter-Lab	24.1619, 56.3209, -102.4509

Details

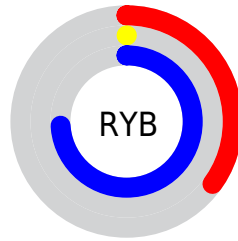
The CIELCh color **29, 100.084, 311.199** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **69, 86.041, 126.904**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 100.338, 311.225**, and **14, 82.842, 306.384** is the 20% darker color. If you saturate the color by 10%, you get **29, 100.384, 311.173**, and if you desaturate by 10%, it is **31, 95.281, 311.653**.

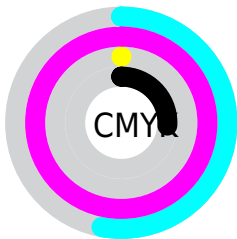
Distribution



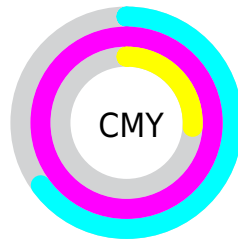
- Red (35%)
- Green (0%)
- Blue (74%)



- Red (35%)
- Yellow (0%)
- Blue (74%)



- Cyan (53%)
- Magenta (99%)
- Yellow (0%)
- Black (26%)





- Cyan (65%)
- Magenta (100%)
- Yellow (26%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 100.084, 311.199 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, 100.084, 311.199 by changing the saturation by 10% instead.


 29, 100.084,
311.199


 29, 100.084,
311.199


 100, 100.084,
311.199


 19, 100.084,
311.199


 49, 100.084,
311.199


 9, 100.084,
311.199


 59, 100.084,
311.199

 0, 100.084,
311.199

 69, 100.084,
311.199

 79, 100.084,
311.199

 89, 100.084,
311.199

 99, 100.084,

311.199

■ 29, 100.084,
311.199

■ 29, 100.084,
311.199

■ 29, 100.384,
311.173

■ 31, 95.281,
311.653

■ 35, 87.996,
311.756

■ 39, 78.527,
311.532

■ 44, 67.703,
311.102

■ 49, 56.199,
310.565

■ 54, 44.471,
309.988

■ 60, 32.798,
309.413

■ 66, 21.334,
308.866

■ 71, 10.159,
308.357

Harmonies

Complementary

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



29, 100.084, 311.199



69, 86.041, 126.904

Rectangle

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



29, 100.084, 311.199



29, 100.084, 1.199



29, 100.084, 131.199



29, 100.084, 181.199

Sweetspot

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



29, 100.085, 311.200



75, 41.403, 309.477



43, 53.664, 280.395



37, 28.377, 309.718



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



29, 100.085, 311.200



38, 122.064, 310.995



44, 92.329, 326.920



37, 6.149, 308.358



23, 87.783, 311.325



2, 17.987, 303.905

Inverse Universe

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



41, 68.066, 358.820



53, 82.553, 359.749



67, 95.347, 135.908



37, 5.090, 342.667



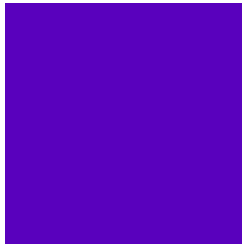
34, 59.775, 358.473



3, 14.213, 349.712

Previews

White Background



This preview shows how the CIE LCh color 29, 100.084, 311.199 looks on a white background.

Color Contrast Check

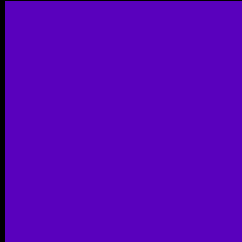
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 29, 100.084, 311.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

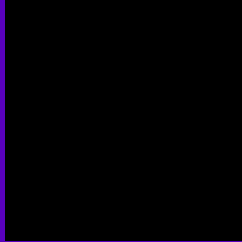
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 100.084, 311.199

Background



This preview shows how black text looks on a background with the CIELCh color 29, 100.084, 311.199.



This preview shows how white text looks on a background with the CIELCh color 29, 100.084, 311.199.

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, 100.084, 311.199

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 8.317, 226.097

Trichromacy



Original Color
29, 100.084, 311.199

Protanomaly
26, 73.905, 300.863

Deuteranomaly
25, 63.952, 298.841

Tritanomaly
26, 47.071, 305.313

Monochromacy



Original Color
29, 100.084, 311.199

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 45.940, 311.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 100.084, 311.199 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(89, 1, 189)` looks like.

```
.text, #text, p{  
    color:rgb(89, 1, 189)  
}
```

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(89, 1, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 1, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 100.084, 311.199 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(89, 1, 189) }
```

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

```
.border{ border-color:rgb(89, 1, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 1, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 1, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 1, 189);  
box-shadow:4px 4px 4px 4px rgb(89, 1, 189)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 100.084, 311.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 1, 189) }
```

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

```
.background{ background-color: rgb(89, 1,  
189) }
```

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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