

Converting Colors

CIELCh(29, 101.815, 310.606)

Have a look what the booklet for
CIELCh(29, 101.815, 310.606)
contains.

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Color

CIELCh(29, 101.596, 310.671)

Conversions

Conversions Part 1

Format	Color
Hex	5602C0
RGB	86, 2, 192
RGB Percent	34%, 1%, 75%
CMY	0.6624, 0.9917, 0.2468
CMYK	0.55, 0.99, 0.00, 0.25
HSL	267°, 98%, 38%
HSV	267°, 99%, 75%
XYZ	13.3917, 5.8380, 50.3341
YIQ	48.7760, -10.9260, 76.8980

Conversions

Conversions Part 2

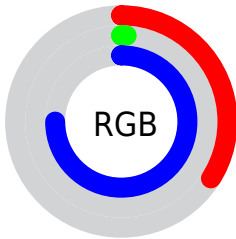
Format	Color
R_{YB}	86, 2, 192
Decimal	5636800
CIE _{Lab}	29.00, 66.21, -77.06
CIE _{LCh}	29, 101.596, 310.671
Yxy	5.8380, 0.1925, 0.0839
Android (android.graphics.Color)	4283826880 (0xFF5602C0)
YUV	48.7760, 70.6094, 32.6454
Hunter-Lab	24.1619, 56.6498, -106.5994

Details

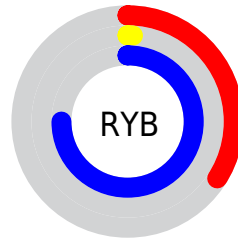
The CIELCh color **29, 101.596, 310.671** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **70, 86.168, 125.929**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 101.862, 310.759**, and **14, 84.316, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 102.116, 310.630**, and if you desaturate by 10%, it is **32, 96.572, 311.082**.

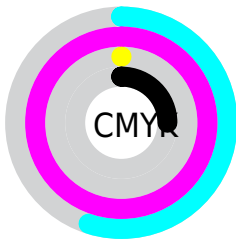
Distribution



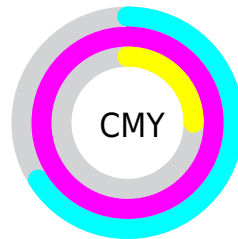
- Red (34%)
- Green (1%)
- Blue (75%)



- Red (34%)
- Yellow (1%)
- Blue (75%)



- Cyan (55%)
- Magenta (99%)
- Yellow (0%)
- Black (25%)





- Cyan (66%)
- Magenta (99%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 101.596, 310.671 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, 101.596, 310.671 by changing the saturation by 10% instead.


 29, 101.596,
310.671


 29, 101.596,
310.671


 100, 101.596,
310.671


 19, 101.596,
310.671


 49, 101.596,
310.671


 9, 101.596,
310.671

 59, 101.596,
310.671

 0, 101.596,
310.671

 69, 101.596,
310.671

 79, 101.596,
310.671

 89, 101.596,
310.671

 99, 101.596,

310.671

■ 29, 101.596,
310.671

■ 29, 101.596,
310.671

■ 29, 102.116,
310.630

■ 32, 96.572,
311.082

■ 35, 88.929,
311.117

■ 39, 79.115,
310.826

■ 44, 68.000,
310.336

■ 50, 56.267,
309.749

■ 55, 44.365,
309.131

■ 61, 32.559,
308.526

■ 67, 20.991,
307.955

■ 73, 9.734, 307.429

Harmonies

Complementary

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



29, 101.596, 310.671



70, 86.168, 125.929

Rectangle

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



29, 101.596, 310.671



29, 101.596, 0.671



29, 101.596, 130.671



29, 101.596, 180.671

Sweetspot

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



29, 101.597, 310.672



77, 41.949, 308.620



46, 50.552, 276.344



38, 28.767, 308.876



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



29, 101.597, 310.672



38, 124.689, 310.455



43, 93.508, 325.634



38, 6.255, 307.453



23, 89.319, 310.778



2, 20.034, 303.379

Inverse Universe

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



42, 69.340, 356.354



54, 84.443, 357.365



68, 96.160, 135.784



38, 5.296, 341.347



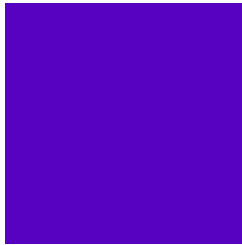
35, 60.954, 356.194



3, 16.391, 348.828

Previews

White Background



This preview shows how the CIELCh color 29, 101.596, 310.671 looks on a white background.

Color Contrast Check

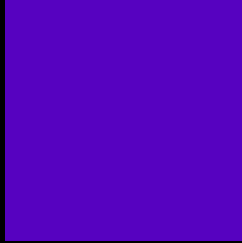
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.596, 310.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

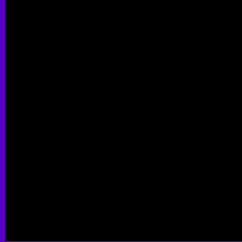
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 101.596, 310.671

Background



This preview shows how black text looks on a background with the CIELCh color 29, 101.596, 310.671.



This preview shows how white text looks on a background with the CIELCh color 29, 101.596, 310.671.

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, 101.596, 310.671

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 11.128, 218.336

Trichromacy



Original Color
29, 101.596, 310.671

Protanomaly
26, 74.489, 300.844

Deuteranomaly
25, 64.558, 298.825

Tritanomaly
25, 47.012, 302.768

Monochromacy



Original Color
29, 101.596, 310.671

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 46.538, 310.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 101.596, 310.671 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(86, 2, 192)` looks like.

```
.text, #text, p{  
    color:rgb(86, 2, 192)  
}
```

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(86, 2, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 2, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 101.596, 310.671 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(86, 2, 192) }
```

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

```
.border{ border-color:rgb(86, 2, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 2, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 2, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 2, 192);  
box-shadow:4px 4px 4px 4px rgb(86, 2, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 101.596, 310.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 2, 192) }
```

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

```
.background{ background-color: rgb(86, 2,  
192) }
```

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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