

Converting Colors

CIELCh(29, 104.737, 310.325)

Have a look what the booklet for
CIELCh(29, 104.737, 310.325)
contains.

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Color

CIELCh(29, 104.536, 310.210)

Conversions

Conversions Part 1

Format	Color
Hex	5300C5
RGB	83, 0, 197
RGB Percent	33%, 0%, 77%
CMY	0.6756, 1.0000, 0.2284
CMYK	0.58, 1.00, 0.00, 0.23
HSL	265°, 100%, 39%
HSV	265°, 100%, 77%
XYZ	13.5897, 5.8380, 53.0931
YIQ	47.2750, -13.7690, 78.8630

Conversions

Conversions Part 2

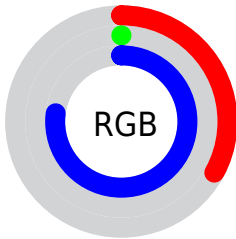
Format	Color
R_{YB}	83, 0, 197
Decimal	5439685
CIE _{Lab}	29.00, 67.49, -79.83
CIE _{LCh}	29, 104.536, 310.210
Yxy	5.8380, 0.1874, 0.0805
Android (android.graphics.Color)	4283629765 (0xFF5300C5)
YUV	47.2750, 73.8144, 31.3308
Hunter-Lab	24.1619, 58.1125, -113.3697

Details

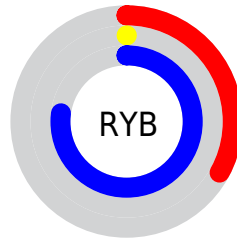
The CIELCh color **29, 104.536, 310.210** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **72, 87.481, 125.237**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 104.355, 310.219**, and **15, 86.542, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 104.461, 310.195**, and if you desaturate by 10%, it is **32, 99.465, 310.588**.

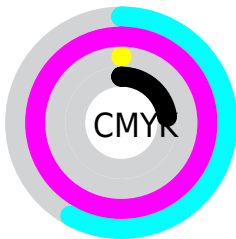
Distribution



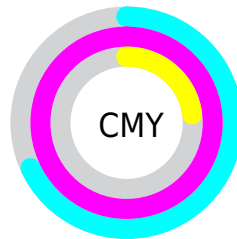
- Red (33%)
- Green (0%)
- Blue (77%)



- Red (33%)
- Yellow (0%)
- Blue (77%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)





- Cyan (68%)
- Magenta (100%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 104.536, 310.210 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, 104.536, 310.210 by changing the saturation by 10% instead.


 29, 104.536,
310.210


 29, 104.536,
310.210


 100, 104.536,
310.210


 19, 104.536,
310.210


 49, 104.536,
310.210


 9, 104.536,
310.210

 59, 104.536,
310.210

 0, 104.536,
310.210

 69, 104.536,
310.210

 79, 104.536,
310.210

 89, 104.536,
310.210

 99, 104.536,

310.210

■ 29, 104.536,
310.210

■ 29, 104.536,
310.210

■ 29, 104.461,
310.195

■ 32, 99.465,
310.588

■ 35, 91.868,
310.623

■ 39, 81.945,
310.312

■ 44, 70.625,
309.790

■ 50, 58.646,
309.165

■ 56, 46.486,
308.512

■ 62, 34.428,
307.873

■ 67, 22.621,
307.274

■ 73, 11.139,
306.724

Harmonies

Complementary

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



29, 104.536, 310.210



72, 87.481, 125.237

Rectangle

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



29, 104.536, 310.210



29, 104.536, 0.210



29, 104.536, 130.210



29, 104.536, 180.210

Sweetspot

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



29, 104.461, 310.195



78, 42.520, 307.902



47, 50.326, 274.822



38, 29.174, 308.172



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, 104.461, 310.195



38, 127.206, 310.028



44, 95.576, 324.975



39, 6.366, 306.692



23, 90.779, 310.343



2, 22.089, 303.179

Inverse Universe

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



43, 71.237, 354.842



55, 86.375, 355.421



69, 98.079, 135.673



39, 5.493, 340.280



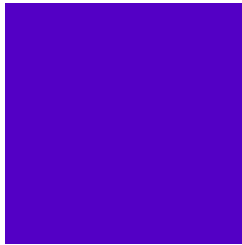
35, 62.147, 354.338



4, 18.751, 348.067

Previews

White Background



This preview shows how the CIELCh color 29, 104.536, 310.210 looks on a white background.

Color Contrast Check

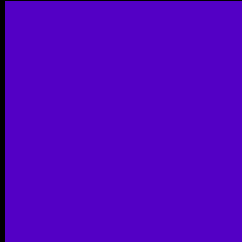
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.536, 310.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

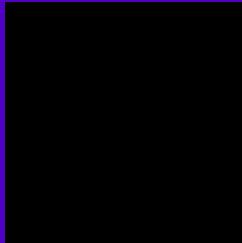
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 104.536, 310.210

Background



This preview shows how black text looks on a background with the CIELCh color 29, 104.536, 310.210.



This preview shows how white text looks on a background with the CIELCh color 29, 104.536, 310.210.

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, 104.536, 310.210

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 14.736, 212.697

Trichromacy



Original Color
29, 104.536, 310.210

Protanomaly
26, 76.250, 301.148

Deuteranomaly
25, 66.412, 299.238

Tritanomaly
25, 48.943, 300.295

Monochromacy



Original Color
29, 104.536, 310.210

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 47.844, 310.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 104.536, 310.210 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(83, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 197)  
}
```

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(83, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 104.536, 310.210 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(83, 0, 197) }
```

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

```
.border{ border-color:rgb(83, 0, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 197)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 104.536, 310.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 197) }
```

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

```
.background{ background-color: rgb(83, 0,  
197) }
```

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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