

Converting Colors

CIELCh(29, 91.431, 310.441)

Have a look what the booklet for
CIELCh(29, 91.431, 310.441)
contains.

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Color

CIELCh(29, 91.033, 310.503)

Conversions

Conversions Part 1

Format	Color
Hex	5716B3
RGB	87, 22, 179
RGB Percent	34%, 9%, 70%
CMY	0.6593, 0.9143, 0.2985
CMYK	0.51, 0.88, 0.00, 0.30
HSL	265°, 78%, 39%
HSV	265°, 88%, 70%
XYZ	12.3269, 5.8380, 43.0620
YIQ	59.3330, -11.6570, 62.6070

Conversions

Conversions Part 2

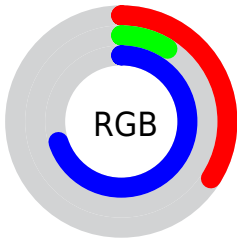
Format	Color
R _Y B	87, 22, 179
Decimal	5707443
CIE Lab	29.00, 59.12, -69.22
CIE LCh	29, 91.033, 310.503
Yxy	5.8380, 0.2013, 0.0954
Android (android.graphics.Color)	4283897523 (0xFF5716B3)
YUV	59.3330, 58.9958, 24.2640
Hunter-Lab	24.1619, 48.7837, -88.7547




Details

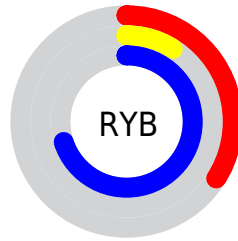
The CIELCh color **29, 91.033, 310.503** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **66, 77.062, 123.725**, and the grayscale version is **25, 0.004, 296.813**.




A 20% lighter version of the original color is **49, 91.023, 310.469**, and **13, 78.434, 306.663** is the 20% darker color. If you saturate the color by 10%, you get **26, 96.287, 310.206**, and if you desaturate by 10%, it is **33, 83.282, 310.414**.

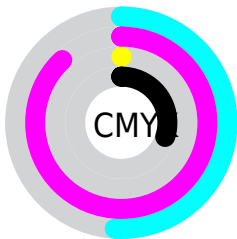
Distribution







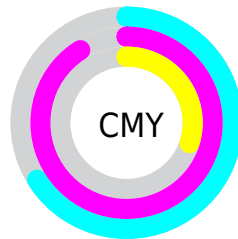
-  Red (34%)
-  Green (9%)
-  Blue (70%)






-  Red (34%)
-  Yellow (9%)
-  Blue (70%)



-  Cyan (51%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (30%)





-  Cyan (66%)
-  Magenta (91%)
-  Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 91.033, 310.503 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, 91.033, 310.503 by changing the saturation by 10% instead.

 29, 91.033,
310.503


 29, 91.033,
310.503

 100, 91.033,
310.503


 19, 91.033,
310.503


 49, 91.033,
310.503

 9, 91.033, 310.503

 59, 91.033,
310.503

 0, 91.033, 310.503

 69, 91.033,
310.503

 79, 91.033,
310.503

 89, 91.033,
310.503

 99, 91.033,

310.503

■ 29, 91.033,
310.503

■ 29, 91.033,
310.503

■ 26, 96.287,
310.206

■ 33, 83.282,
310.414

■ 26, 97.359,
310.147

■ 37, 73.635,
310.020

■ 42, 62.918,
309.451

■ 47, 51.742,
308.804

■ 52, 40.490,
308.145

■ 58, 29.381,
307.510

■ 63, 18.529,
306.919

■ 69, 7.987, 306.379

■ 74, 2.225, 125.948

Harmonies

Complementary

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



29, 91.033, 310.503



66, 77.062, 123.725

Rectangle

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



29, 91.033, 310.503



29, 91.033, 0.503



29, 91.033, 130.503



29, 91.033, 180.503

Sweetspot

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



29, 91.033, 310.504



74, 33.906, 307.428



47, 40.522, 266.325



37, 23.283, 307.639



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



29, 91.033, 310.504



35, 118.531, 309.966



41, 85.925, 324.584



35, 5.814, 306.459



21, 86.634, 310.281



1, 13.674, 302.546

Inverse Universe

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



40, 65.219, 350.572



51, 80.695, 354.650



64, 87.282, 135.702



35, 5.045, 339.960



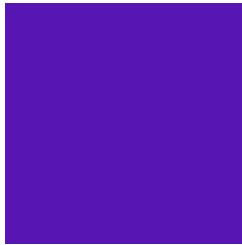
33, 59.476, 353.597



2, 11.193, 345.055

Previews

White Background



This preview shows how the CIE LCh color 29, 91.033, 310.503 looks on a white background.

Color Contrast Check

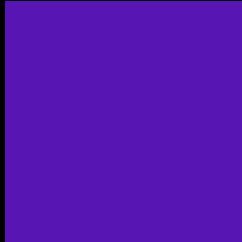
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.033, 310.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

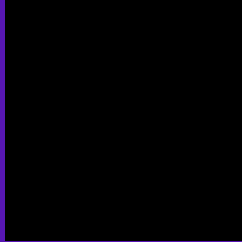
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 91.033, 310.503

Background



This preview shows how black text looks on a background with the CIELCh color 29, 91.033, 310.503.



This preview shows how white text looks on a background with the CIELCh color 29, 91.033, 310.503.

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

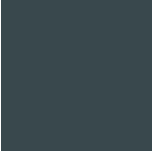
29, 91.033, 310.503

Protanopia

29, 47.743, 285.376

Deuteranopia

29, 33.294, 271.418



Tritanopia
30, 6.787, 226.988

Trichromacy



Original Color
29, 91.033, 310.503

Protanomaly
27, 66.492, 298.378

Deuteranomaly
26, 56.881, 295.950

Tritanomaly
27, 39.228, 303.680

Monochromacy



Original Color
29, 91.033, 310.503

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 38.952, 309.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 91.033, 310.503 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(87, 22, 179)` looks like.

```
.text, #text, p{  
    color:rgb(87, 22, 179)  
}
```

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(87, 22, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 22, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 91.033, 310.503 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(87, 22, 179) }
```

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

```
.border{ border-color:rgb(87, 22, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 22, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 22, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 22, 179);  
box-shadow:4px 4px 4px 4px rgb(87, 22,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 91.033, 310.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 22, 179) }
```

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

```
.background{ background-color: rgb(87, 22,  
179) }
```

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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