

Converting Colors

CIELCh(29, 83.690, 317.536)

Have a look what the booklet for
CIELCh(29, 83.690, 317.536)
contains.

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Color

CIELCh(29, 83.642, 317.556)

Conversions

Conversions Part 1

Format	Color
Hex	6F009E
RGB	111, 0, 158
RGB Percent	44%, 0%, 62%
CMY	0.5650, 1.0000, 0.3807
CMYK	0.30, 1.00, 0.00, 0.38
HSL	282°, 100%, 31%
HSV	282°, 100%, 62%
XYZ	12.7104, 5.8380, 32.7726
YIQ	51.2010, 15.4380, 72.6700

Conversions

Conversions Part 2

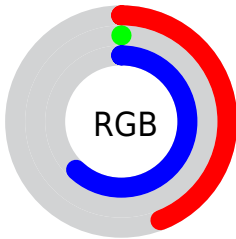
Format	Color
RYB	111, 0, 158
Decimal	7274654
CIELab	29.00, 61.72, -56.45
CIELCh	29, 83.642, 317.556
Yxy	5.8380, 0.2477, 0.1138
Android (android.graphics.Color)	4285464734 (0xFF6F009E)
YUV	51.2010, 52.6519, 52.4437
Hunter-Lab	24.1619, 51.6167, -63.5061

Details

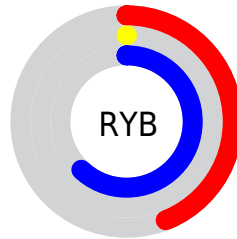
The CIELCh color **29, 83.642, 317.556** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **57, 80.548, 133.041**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 83.735, 317.564**, and **15, 64.320, 313.045** is the 20% darker color. If you saturate the color by 10%, you get **29, 83.616, 317.552**, and if you desaturate by 10%, it is **31, 80.244, 318.027**.

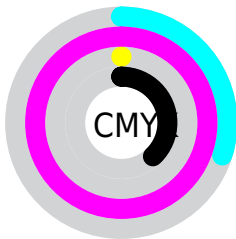
Distribution



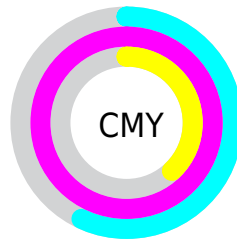
- Red (44%)
- Green (0%)
- Blue (62%)



- Red (44%)
- Yellow (0%)
- Blue (62%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)





- Cyan (57%)
- Magenta (100%)
- Yellow (38%)
- Black (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 83.642, 317.556 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, 83.642, 317.556 by changing the saturation by 10% instead.

 29, 83.642,
317.556


 29, 83.642,
317.556

 100, 83.642,
317.556


 19, 83.642,
317.556


 49, 83.642,
317.556


 9, 83.642, 317.556

 59, 83.642,
317.556

 0, 83.642, 317.556

 69, 83.642,
317.556

 79, 83.642,
317.556

 89, 83.642,
317.556

 99, 83.642,

317.556

■ 29, 83.642,
317.556

■ 29, 83.642,
317.556

■ 29, 83.616,
317.552

■ 31, 80.244,
318.027

■ 33, 75.189,
318.295

■ 36, 68.200,
318.315

■ 39, 59.751,
318.148

■ 43, 50.341,
317.854

■ 47, 40.389,
317.481

■ 51, 30.204,
317.066

■ 56, 19.997,
316.635

■ 60, 9.905, 316.204

Harmonies

Complementary

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



29, 83.642, 317.556



57, 80.548, 133.041

Rectangle

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



29, 83.642, 317.556



29, 83.642, 7.556



29, 83.642, 137.556



29, 83.642, 187.556

Sweetspot

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



29, 83.616, 317.552



66, 37.594, 317.091



25, 71.075, 297.937



33, 25.895, 317.258



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



29, 83.616, 317.552



39, 102.156, 317.369



36, 69.299, 338.012



31, 5.601, 316.171



26, 77.641, 317.632



1, 7.193, 314.678

Inverse Universe

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



33, 61.125, 20.575



44, 75.088, 21.801



57, 78.366, 138.769



31, 3.811, 356.922



29, 56.630, 20.032



1, 4.858, 357.198

Previews

White Background



This preview shows how the CIE LCh color 29, 83.642, 317.556 looks on a white background.

Color Contrast Check

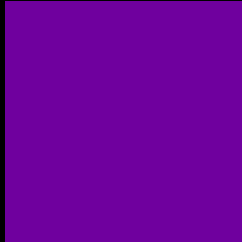
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.642, 317.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

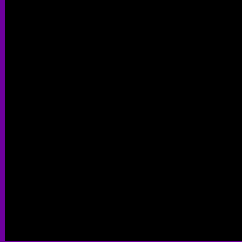
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 83.642, 317.556

Background



This preview shows how black text looks on a background with the CIELCh color 29, 83.642, 317.556.



This preview shows how white text looks on a background with the CIELCh color 29, 83.642, 317.556.

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, 83.642, 317.556

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 35.461, 273.335



Tritanopia
30, 15.485, 12.934

Trichromacy



Original Color
29, 83.642, 317.556

Protanomaly
25, 68.027, 301.068

Deuteranomaly
24, 59.727, 299.577

Tritanomaly
27, 42.975, 328.334

Monochromacy



Original Color
29, 83.642, 317.556

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 40.406, 318.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 83.642, 317.556 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(111, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(111, 0, 158)  
}
```

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(111, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 0, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 83.642, 317.556 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(111, 0, 158) }
```

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

```
.border{ border-color:rgb(111, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(111, 0,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 83.642, 317.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 0, 158) }
```

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

```
.background{ background-color: rgb(111, 0,  
158) }
```

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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