

Converting Colors

CIELCh(29, 83.075, 317.933)

Have a look what the booklet for
CIELCh(29, 83.075, 317.933)
contains.

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Color

CIELCh(29, 83.089, 317.904)

Conversions

Conversions Part 1

Format	Color
Hex	70009D
RGB	112, 0, 157
RGB Percent	44%, 0%, 62%
CMY	0.5619, 1.0000, 0.3854
CMYK	0.29, 1.00, 0.00, 0.39
HSL	283°, 100%, 31%
HSV	283°, 100%, 61%
XYZ	12.7002, 5.8380, 32.2280
YIQ	51.3860, 16.3550, 72.5710

Conversions

Conversions Part 2

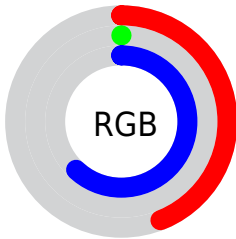
Format	Color
R_{YB}	112, 0, 157
Decimal	7340189
CIE _{Lab}	29.00, 61.65, -55.70
CIE _{LCh}	29, 83.089, 317.904
Yxy	5.8380, 0.2502, 0.1150
Android (android.graphics.Color)	4285530269 (0xFF70009D)
YUV	51.3860, 52.0677, 53.1585
Hunter-Lab	24.1619, 51.5411, -62.1696

Details

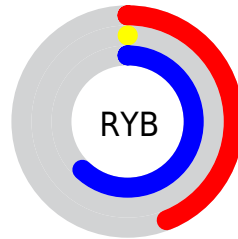
The CIELCh color **29, 83.089, 317.904** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **57, 80.270, 133.222**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 83.275, 317.921**, and **15, 63.691, 313.411** is the 20% darker color. If you saturate the color by 10%, you get **29, 82.986, 317.887**, and if you desaturate by 10%, it is **31, 79.666, 318.351**.

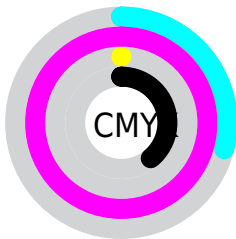
Distribution



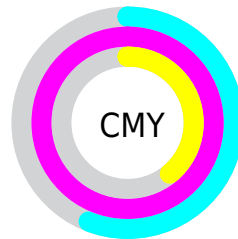
- Red (44%)
- Green (0%)
- Blue (62%)



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



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)




- Cyan (56%)
- Magenta (100%)
- Yellow (39%)
- Black (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 83.089, 317.904 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, 83.089, 317.904 by changing the saturation by 10% instead.

 29, 83.089,
317.904


 29, 83.089,
317.904

 100, 83.089,
317.904


 19, 83.089,
317.904


 49, 83.089,
317.904

 9, 83.089, 317.904

 59, 83.089,
317.904

 0, 83.089, 317.904

 69, 83.089,
317.904

 79, 83.089,
317.904

 89, 83.089,
317.904

 99, 83.089,

317.904

■ 29, 83.089,
317.904

■ 29, 83.089,
317.904

■ 29, 82.986,
317.887

■ 31, 79.666,
318.351

■ 33, 74.688,
318.614

■ 36, 67.786,
318.634

■ 39, 59.425,
318.469

■ 43, 50.093,
318.178

■ 47, 40.208,
317.807

■ 51, 30.080,
317.394

■ 56, 19.921,
316.965

■ 60, 9.869, 316.533

Harmonies

Complementary

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



29, 83.089, 317.904



57, 80.270, 133.222

Rectangle

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



29, 83.089, 317.904



29, 83.089, 7.904



29, 83.089, 137.904



29, 83.089, 187.904

Sweetspot

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



29, 82.986, 317.887



65, 37.297, 317.419



25, 70.627, 297.915



32, 25.425, 317.583



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



29, 82.986, 317.887



39, 101.012, 317.710



35, 68.914, 338.005



31, 5.616, 316.500



26, 77.498, 317.960



1, 7.213, 315.010

Inverse Universe

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



33, 61.065, 21.465



43, 74.770, 22.682



56, 77.903, 138.780



31, 3.792, 357.650



29, 56.897, 20.961



1, 4.833, 357.899

Previews

White Background



This preview shows how the CIELCh color 29, 83.089, 317.904 looks on a white background.

Color Contrast Check

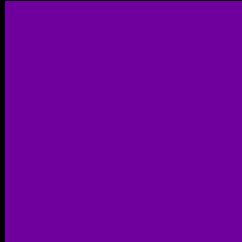
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.089, 317.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

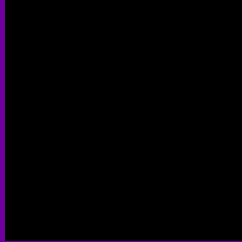
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 83.089, 317.904

Background



This preview shows how black text looks on a background with the CIELCh color 29, 83.089, 317.904.



This preview shows how white text looks on a background with the CIELCh color 29, 83.089, 317.904.

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, 83.089, 317.904

Protanopia
30, 48.785, 285.433

Deuteranopia
30, 35.461, 273.335



Tritanopia
30, 16.943, 11.934

Trichromacy



Original Color
29, 83.089, 317.904

Protanomaly
25, 67.425, 301.137

Deuteranomaly
24, 59.109, 299.662

Tritanomaly
27, 43.089, 328.841

Monochromacy



Original Color
29, 83.089, 317.904

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 39.853, 318.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 83.089, 317.904 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(112, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 157)  
}
```

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(112, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 83.089, 317.904 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(112, 0, 157) }
```

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

```
.border{ border-color:rgb(112, 0, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 0, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 83.089, 317.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 157) }
```

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

```
.background{ background-color: rgb(112, 0,  
157) }
```

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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