

Converting Colors

CIELCh(29, 77.235, 320.830)

Have a look what the booklet for
CIELCh(29, 77.235, 320.830)
contains.

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Color

CIELCh(29, 77.480, 320.856)

Conversions

Conversions Part 1

Format	Color
Hex	750092
RGB	117, 0, 146
RGB Percent	46%, 0%, 57%
CMY	0.5423, 0.9983, 0.4286
CMYK	0.20, 1.00, 0.00, 0.43
HSL	288°, 99%, 29%
HSV	288°, 100%, 57%
XYZ	12.4686, 5.8380, 27.5494
YIQ	51.6270, 22.8660, 70.2100

Conversions

Conversions Part 2

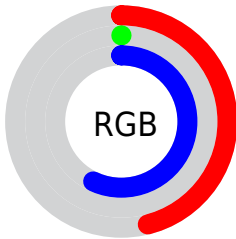
Format	Color
R_{YB}	117, 0, 146
Decimal	7667858
CIE _{Lab}	29.00, 60.09, -48.91
CIE _{LCh}	29, 77.480, 320.856
Yxy	5.8380, 0.2719, 0.1273
Android (android.graphics.Color)	4285857938 (0xFF750092)
YUV	51.6270, 46.5259, 57.3321
Hunter-Lab	24.1619, 49.8301, -50.6890

Details

The CIELCh color **29, 77.480, 320.856** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **53, 77.227, 134.476**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 77.799, 320.810**, and **15, 57.914, 316.780** is the 20% darker color. If you saturate the color by 10%, you get **29, 77.568, 320.847**, and if you desaturate by 10%, it is **30, 74.539, 321.191**.

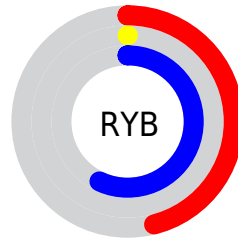
Distribution



Red (46%)

Green (0%)

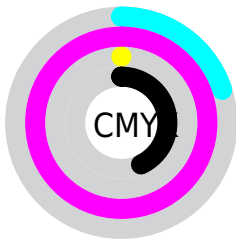
Blue (57%)



Red (46%)

Yellow (0%)

Blue (57%)

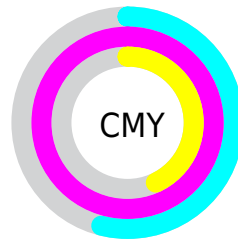


Cyan (20%)

Magenta (100%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (100%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 77.480, 320.856 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, 77.480, 320.856 by changing the saturation by 10% instead.

■ 29, 77.480,
320.856

■ 29, 77.480,
320.856

■ 100, 77.480,
320.856

■ 19, 77.480,
320.856

■ 49, 77.480,
320.856

■ 9, 77.480, 320.856

■ 59, 77.480,
320.856

■ 0, 77.480, 320.856

■ 69, 77.480,
320.856

■ 79, 77.480,
320.856

■ 89, 77.480,
320.856

■ 99, 77.480,

320.856

■ 29, 77.480,
320.856

■ 29, 77.480,
320.856

■ 29, 77.568,
320.847

■ 30, 74.539,
321.191

■ 32, 70.107,
321.367

■ 35, 63.874,
321.346

■ 37, 56.206,
321.170

■ 41, 47.528,
320.879

■ 44, 38.226,
320.512

■ 48, 28.607,
320.099

■ 52, 18.891,
319.664

■ 56, 9.231, 319.219

Harmonies

Complementary

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



29, 77.480, 320.856



53, 77.227, 134.476

Rectangle

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



29, 77.480, 320.856



29, 77.480, 10.856



29, 77.480, 140.856



29, 77.480, 190.856

Sweetspot

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



29, 77.479, 320.856



61, 35.688, 320.138



20, 75.651, 301.870



30, 24.278, 320.296



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



29, 77.479, 320.856



38, 93.912, 320.706



32, 61.017, 344.425



29, 5.441, 319.197



27, 74.426, 320.882



1, 4.722, 318.819

Inverse Universe

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



30, 60.532, 28.209



39, 74.180, 29.566



53, 69.120, 141.597



29, 3.457, 4.040



28, 58.075, 28.030



1, 2.956, 3.273

Previews

White Background



This preview shows how the CIE LCh color 29, 77.480, 320.856 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, 77.480, 320.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

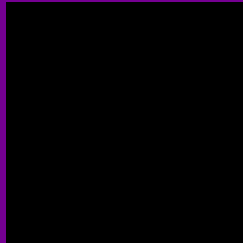
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 77.480, 320.856

Background



This preview shows how black text looks on a background with the CIELCh color 29, 77.480, 320.856.



This preview shows how white text looks on a background with the CIELCh color 29, 77.480, 320.856.

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, 77.666, 320.881

Protanopia

30, 48.785, 285.433

Deuteranopia

30, 36.009, 273.969



Tritanopia
30, 22.783, 17.620

Trichromacy



Original Color
29, 77.666, 320.881

Protanomaly
25, 65.096, 301.037

Deuteranomaly
24, 56.613, 299.219

Tritanomaly
28, 42.745, 336.313

Monochromacy



Original Color
29, 77.666, 320.881

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 37.772, 321.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 77.480, 320.856 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(117, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 146)  
}
```

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(117, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 77.480, 320.856 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(117, 0, 146) }
```

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

```
.border{ border-color:rgb(117, 0, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 0, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 77.480, 320.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 146) }
```

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

```
.background{ background-color: rgb(117, 0,  
146) }
```

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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