

Converting Colors

CIELCh(30, 78.592, 320.028)

Have a look what the booklet for
CIELCh(30, 78.592, 320.028)
contains.

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Color

CIELCh(30, 78.585, 319.995)

Conversions

Conversions Part 1

Format	Color
Hex	760797
RGB	118, 7, 151
RGB Percent	46%, 3%, 59%
CMY	0.5373, 0.9726, 0.4079
CMYK	0.22, 0.95, 0.00, 0.41
HSL	286°, 91%, 31%
HSV	286°, 95%, 59%
XYZ	13.1300, 6.2359, 29.7842
YIQ	56.6050, 19.9320, 68.3160

Conversions

Conversions Part 2

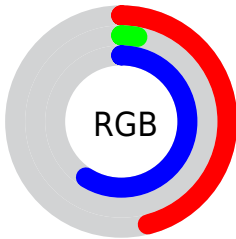
Format	Color
RYB	118, 7, 151
Decimal	7735191
CIELab	30.00, 60.20, -50.52
CIElCh	30, 78.585, 319.995
Yxy	6.2359, 0.2671, 0.1269
Android (android.graphics.Color)	4285925271 (0xFF760797)
YUV	56.6050, 46.5367, 53.8434
Hunter-Lab	24.9718, 50.1533, -53.2357

Details

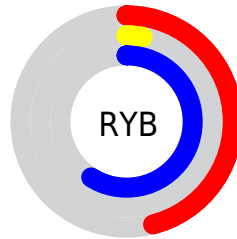
The CIELCh color **30, 78.585, 319.995** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **55, 77.498, 134.032**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 78.629, 319.960**, and **15, 60.328, 316.051** is the 20% darker color. If you saturate the color by 10%, you get **29, 79.964, 319.817**, and if you desaturate by 10%, it is **32, 75.048, 320.337**.

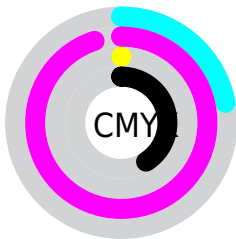
Distribution



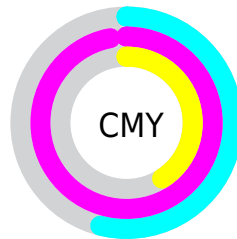
- Red (46%)
- Green (3%)
- Blue (59%)



- Red (46%)
- Yellow (3%)
- Blue (59%)



- Cyan (22%)
- Magenta (95%)
- Yellow (0%)
- Black (41%)





- Cyan (54%)
- Magenta (97%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 78.585, 319.995 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 30, 78.585, 319.995 by changing the saturation by 10% instead.


 30, 78.585,
319.995


 30, 78.585,
319.995

 100, 78.585,
319.995


 20, 78.585,
319.995


 50, 78.585,
319.995


 10, 78.585,
319.995

 60, 78.585,
319.995

 0, 78.585, 319.995

 70, 78.585,
319.995

 80, 78.585,
319.995

 90, 78.585,
319.995

■ 30, 78.585,
319.995

■ 30, 78.585,
319.995

■ 29, 79.964,
319.817

■ 32, 75.048,
320.337

■ 34, 69.554,
320.450

■ 37, 62.360,
320.371

■ 40, 53.904,
320.145

■ 44, 44.624,
319.819

■ 47, 34.884,
319.431

■ 52, 24.955,
319.009

■ 56, 15.023,

318.574

■ 60, 5.210, 318.127

Harmonies

Complementary

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



30, 78.585, 319.995



55, 77.498, 134.032

Rectangle

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



30, 78.585, 319.995



30, 78.585, 9.995



30, 78.585, 139.995



30, 78.585, 189.995

Sweetspot

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



30, 78.584, 319.995



64, 35.383, 319.189



23, 71.546, 299.587



32, 24.494, 319.355



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



30, 78.584, 319.995



39, 97.183, 319.663



34, 63.495, 341.540



30, 5.551, 318.303



27, 75.756, 319.868



1, 5.929, 317.536

Inverse Universe

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



32, 59.265, 23.992



41, 75.078, 27.444



54, 70.859, 141.247



30, 3.596, 1.838



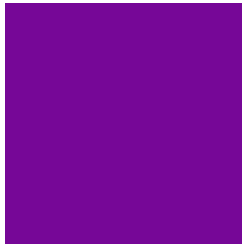
29, 57.865, 25.805



1, 3.799, 1.338

Previews

White Background



This preview shows how the CIELCh color 30, 78.585, 319.995 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 30, 78.585, 319.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

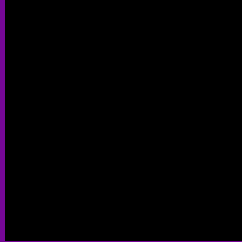
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 78.585, 319.995

Background



This preview shows how black text looks on a background with the CIELCh color 30, 78.585, 319.995.



This preview shows how white text looks on a background with the CIELCh color 30, 78.585, 319.995.

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

30, 78.585, 319.995

Protanopia

31, 49.821, 285.488

Deuteranopia

31, 36.537, 273.821



Tritanopia
31, 21.687, 15.366

Trichromacy



Original Color
30, 78.585, 319.995

Protanomaly
26, 65.324, 300.271

Deuteranomaly
26, 56.920, 298.611

Tritanomaly
29, 42.323, 334.620

Monochromacy



Original Color
30, 78.585, 319.995

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 36.751, 320.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 78.585, 319.995 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(118, 7, 151)` looks like.

```
.text, #text, p{  
    color:rgb(118, 7, 151)  
}
```

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(118, 7, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 7, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 78.585, 319.995 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(118, 7, 151) }
```

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

```
.border{ border-color:rgb(118, 7, 151) }
```

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

Here you see how a box with a 4 pixel rgb(118, 7, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 7, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 7, 151);  
box-shadow:4px 4px 4px 4px rgb(118, 7,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 78.585, 319.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 7, 151) }
```

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

```
.background{ background-color: rgb(118, 7,  
151) }
```

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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