

Converting Colors

CIELCh(27, 71.630, 322.714)

Have a look what the booklet for
CIELCh(27, 71.630, 322.714)
contains.

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Color

CIELCh(27, 71.727, 322.593)

Conversions

Conversions Part 1

Format	Color
Hex	700084
RGB	112, 0, 132
RGB Percent	44%, 0%, 52%
CMY	0.5613, 1.0000, 0.4828
CMYK	0.15, 1.00, 0.00, 0.48
HSL	291°, 100%, 26%
HSV	291°, 100%, 52%
XYZ	10.8193, 5.0937, 22.1979
YIQ	48.5360, 24.3800, 64.7960

Conversions

Conversions Part 2

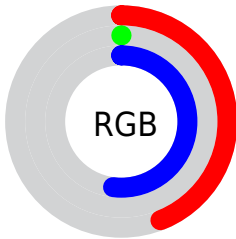
Format	Color
R_{YB}	112, 0, 132
Decimal	7340164
CIE _{Lab}	27.00, 56.98, -43.57
CIE _{LCh}	27, 71.727, 322.593
Yxy	5.0937, 0.2839, 0.1337
Android (android.graphics.Color)	4285530244 (0xFF700084)
YUV	48.5360, 41.1478, 55.6579
Hunter-Lab	22.5692, 46.0739, -42.5162

Details

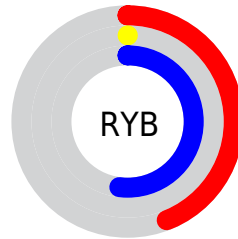
The CIELCh color **27, 71.727, 322.593** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **48, 72.344, 134.930**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 71.727, 322.430**, and **13, 51.718, 318.644** is the 20% darker color. If you saturate the color by 10%, you get **27, 71.679, 322.587**, and if you desaturate by 10%, it is **28, 68.904, 322.810**.

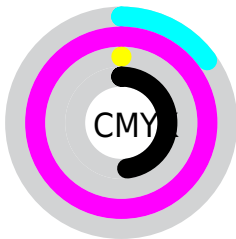
Distribution



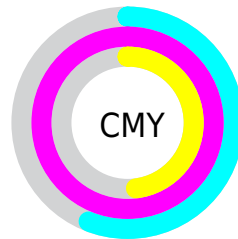
- Red (44%)
- Green (0%)
- Blue (52%)



- Red (44%)
- Yellow (0%)
- Blue (52%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)





- Cyan (56%)
- Magenta (100%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 71.727, 322.593 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 27, 71.727, 322.593 by changing the saturation by 10% instead.

 27, 71.727,
322.593


 27, 71.727,
322.593

 100, 71.727,
322.593


 17, 71.727,
322.593

 47, 71.727,
322.593

 7, 71.727, 322.593

 57, 71.727,
322.593

 0, 71.727, 322.593

 67, 71.727,
322.593

 77, 71.727,
322.593

 87, 71.727,
322.593

 97, 71.727,

322.593

■ 27, 71.727,
322.593

■ 27, 71.727,
322.593

■ 27, 71.679,
322.587

■ 28, 68.904,
322.810

■ 30, 64.930,
322.917

■ 32, 59.311,
322.856

■ 34, 52.349,
322.657

■ 37, 44.411,
322.355

■ 40, 35.845,
321.981

■ 44, 26.938,
321.561

■ 48, 17.905,
321.117

■ 51, 8.895, 320.660

Harmonies

Complementary

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



27, 71.727, 322.593



48, 72.344, 134.930

Rectangle

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



27, 71.727, 322.593



27, 71.727, 12.593



27, 71.727, 142.593



27, 71.727, 192.593

Sweetspot

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



27, 71.679, 322.587



56, 33.287, 321.590



17, 72.531, 302.771



27, 22.884, 321.745



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



27, 71.679, 322.587



36, 86.662, 322.466



28, 55.741, 346.705



26, 5.035, 320.620



27, 70.960, 322.595



0, 1.197, 320.233

Inverse Universe

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



27, 57.908, 31.265



35, 70.851, 32.522



48, 62.532, 142.842



26, 3.108, 7.715



26, 57.286, 31.187



0, 0.726, 7.000

Previews

White Background



This preview shows how the CIELCh color 27, 71.727, 322.593 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 27, 71.727, 322.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

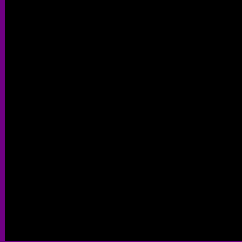
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 71.727, 322.593

Background



This preview shows how black text looks on a background with the CIELCh color 27, 71.727, 322.593.



This preview shows how white text looks on a background with the CIELCh color 27, 71.727, 322.593.

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

27, 71.727, 322.593

Protanopia

28, 46.695, 285.315

Deuteranopia

28, 35.518, 275.318



Tritanopia
28, 24.122, 19.940

Trichromacy



Original Color
27, 71.727, 322.593

Protanomaly
23, 61.291, 301.230

Deuteranomaly
23, 53.983, 299.829

Tritanomaly
26, 40.478, 340.495

Monochromacy



Original Color
27, 71.727, 322.593

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 34.901, 322.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 71.727, 322.593 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 71.727, 322.593 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, 132) }
```

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

```
.border{ border-color:rgb(112, 0, 132) }
```

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, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 71.727, 322.593 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, 132) }
```

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

```
.background{ background-color: rgb(112, 0,  
132) }
```

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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