

Converting Colors

CIELCh(27, 72.225, 312.138)

Have a look what the booklet for
CIELCh(27, 72.225, 312.138)
contains.

CIELCh(27, 72.517, 312.129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 72.517, 312.129)

Conversions

Conversions Part 1

Format	Color
Hex	571E94
RGB	87, 30, 148
RGB Percent	34%, 12%, 58%
CMY	0.6588, 0.8823, 0.4196
CMYK	0.41, 0.80, 0.00, 0.42
HSL	269°, 66%, 35%
HSV	269°, 80%, 58%
XYZ	9.7413, 5.0937, 28.4890
YIQ	60.4950, -3.9060, 48.7820

Conversions

Conversions Part 2

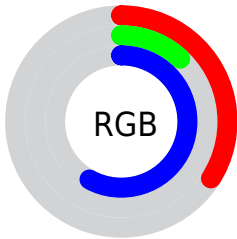
Format	Color
R_{YB}	87, 30, 148
Decimal	5709460
CIE _{Lab}	27.00, 48.64, -53.78
CIE _{LCh}	27, 72.517, 312.129
Yxy	5.0937, 0.2248, 0.1176
Android (android.graphics.Color)	4283899540 (0xFF571E94)
YUV	60.4950, 43.1400, 23.2449
Hunter-Lab	22.5692, 37.5480, -59.0431

Details

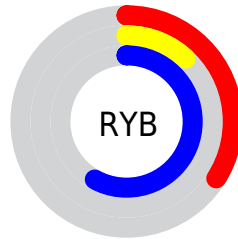
The CIELCh color **27, 72.517, 312.129** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **56, 64.085, 125.826**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 72.648, 312.084**, and **10, 62.999, 308.956** is the 20% darker color. If you saturate the color by 10%, you get **24, 78.653, 312.046**, and if you desaturate by 10%, it is **30, 64.694, 311.914**.

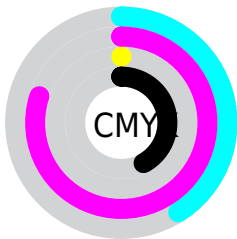
Distribution



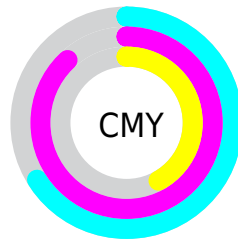
- Red (34%)
- Green (12%)
- Blue (58%)



- Red (34%)
- Yellow (12%)
- Blue (58%)



- Cyan (41%)
- Magenta (80%)
- Yellow (0%)
- Black (42%)





- Cyan (66%)
- Magenta (88%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 72.517, 312.129 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, 72.517, 312.129 by changing the saturation by 10% instead.


 27, 72.517,
312.129

 27, 72.517,
312.129

 100, 72.517,
312.129


 17, 72.517,
312.129

 47, 72.517,
312.129

 7, 72.517, 312.129

 57, 72.517,
312.129

 0, 72.517, 312.129

 67, 72.517,
312.129

 77, 72.517,
312.129

 87, 72.517,
312.129

 97, 72.517,

312.129

■ 27, 72.517,
312.129

■ 27, 72.517,
312.129

■ 24, 78.653,
312.046

■ 30, 64.694,
311.914

■ 22, 83.192,
311.722

■ 34, 55.820,
311.509

■ 22, 83.320,
311.717

■ 39, 46.410,
311.003

■ 43, 36.817,
310.456

■ 48, 27.258,
309.910

■ 52, 17.859,
309.386

■ 57, 8.685, 308.896

■ 61, 0.232, 128.852

■ 66, 8.882, 128.078

Harmonies

Complementary

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



27, 72.517, 312.129



56, 64.085, 125.826

Rectangle

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



27, 72.517, 312.129



27, 72.517, 2.129



27, 72.517, 132.129



27, 72.517, 182.129

Sweetspot

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



27, 72.517, 312.130



64, 26.947, 309.631



38, 35.842, 270.828



32, 18.735, 309.803



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



27, 72.517, 312.130



31, 99.139, 311.688



36, 70.954, 326.840



29, 5.037, 308.871



20, 78.998, 311.790



0, 4.352, 308.473

Inverse Universe

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



34, 52.659, 353.347



42, 68.003, 359.012



54, 72.370, 136.956



29, 4.115, 343.439



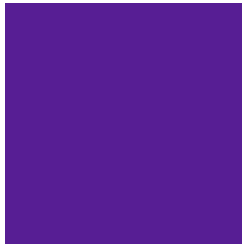
29, 53.906, 359.338



1, 3.561, 342.748

Previews

White Background



This preview shows how the CIELCh color 27, 72.517, 312.129 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, 72.517, 312.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

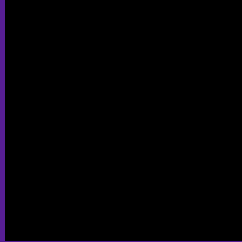
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 72.517, 312.129

Background



This preview shows how black text looks on a background with the CIELCh color 27, 72.517, 312.129.



This preview shows how white text looks on a background with the CIELCh color 27, 72.517, 312.129.

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, 72.517, 312.129

Protanopia
27, 45.045, 284.884

Deuteranopia
27, 32.752, 272.812



Tritanopia
27, 4.220, 329.822

Trichromacy



Original Color
27, 72.517, 312.129

Protanomaly
25, 56.470, 296.381

Deuteranomaly
25, 47.768, 293.418

Tritanomaly
26, 31.408, 312.671

Monochromacy



Original Color
27, 72.517, 312.129

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 29.303, 310.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 72.517, 312.129 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(87, 30, 148)` looks like.

```
.text, #text, p{  
    color:rgb(87, 30, 148)  
}
```

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(87, 30, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 30, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 72.517, 312.129 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(87, 30, 148) }
```

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

```
.border{ border-color:rgb(87, 30, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 30, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 30, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 30, 148);  
box-shadow:4px 4px 4px 4px rgb(87, 30,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 72.517, 312.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 30, 148) }
```

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

```
.background{ background-color: rgb(87, 30,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor