

Converting Colors

CIELCh(27, 68.240, 322.041)

Have a look what the booklet for
CIELCh(27, 68.240, 322.041)
contains.

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Color

CIELCh(27, 68.062, 322.149)

Conversions

Conversions Part 1

Format	Color
Hex	6D0C81
RGB	109, 12, 129
RGB Percent	43%, 5%, 51%
CMY	0.5727, 0.9532, 0.4943
CMYK	0.16, 0.91, 0.00, 0.49
HSL	290°, 83%, 28%
HSV	290°, 91%, 51%
XYZ	10.3920, 5.0937, 21.1903
YIQ	54.3410, 20.2550, 56.9510

Conversions

Conversions Part 2

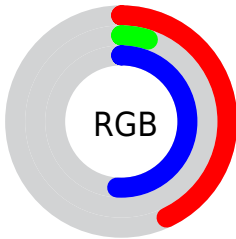
Format	Color
RYB	109, 12, 129
Decimal	7146625
CIELab	27.00, 53.74, -41.76
CIELCh	27, 68.062, 322.149
Yxy	5.0937, 0.2833, 0.1389
Android (android.graphics.Color)	4285336705 (0xFF6D0C81)
YUV	54.3410, 36.8069, 47.9359
Hunter-Lab	22.5692, 42.6941, -39.8692




Details

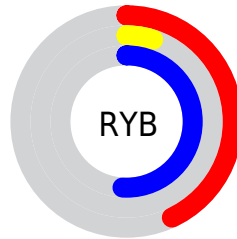
The CIELCh color **27, 68.062, 322.149** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **47, 68.039, 134.789**, and the grayscale version is **23, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 68.099, 322.044**, and **12, 50.894, 318.460** is the 20% darker color. If you saturate the color by 10%, you get **26, 70.694, 321.921**, and if you desaturate by 10%, it is **29, 64.181, 322.292**.

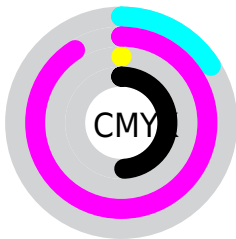
Distribution







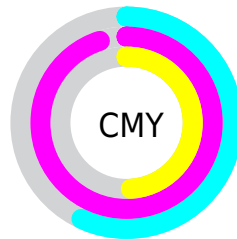
-  Red (43%)
-  Green (5%)
-  Blue (51%)






-  Red (43%)
-  Yellow (5%)
-  Blue (51%)



-  Cyan (16%)
-  Magenta (91%)
-  Yellow (0%)
-  Black (49%)




-  Cyan (57%)
-  Magenta (95%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 68.062, 322.149 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, 68.062, 322.149 by changing the saturation by 10% instead.

 27, 68.062,
322.149

 27, 68.062,
322.149

 100, 68.062,
322.149


 17, 68.062,
322.149

 47, 68.062,
322.149

 7, 68.062, 322.149

 57, 68.062,
322.149

 0, 68.062, 322.149

 67, 68.062,
322.149

 77, 68.062,
322.149

 87, 68.062,
322.149

 97, 68.062,

322.149

■ 27, 68.062,
322.149

■ 27, 68.062,
322.149

■ 26, 70.694,
321.921

■ 29, 64.181,
322.292

■ 31, 58.680,
322.256

■ 33, 51.859,
322.074

■ 36, 44.085,
321.784

■ 39, 35.700,
321.420

■ 43, 26.985,
321.008

■ 46, 18.150,
320.572

■ 50, 9.340, 320.124

■ 54, 0.650, 319.467

Harmonies

Complementary

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



27, 68.062, 322.149



47, 68.039, 134.789

Rectangle

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



27, 68.062, 322.149



27, 68.062, 12.149



27, 68.062, 142.149



27, 68.062, 192.149

Sweetspot

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



27, 68.061, 322.149



57, 29.441, 320.874



19, 63.612, 299.958



28, 19.756, 320.994



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 68.061, 322.149



35, 85.910, 321.781



29, 54.200, 343.823



25, 4.846, 320.049



26, 70.114, 321.928



0, 0.000, 0.000

Inverse Universe

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



27, 52.104, 25.641



35, 69.139, 31.157



47, 58.550, 143.969



25, 3.024, 6.217



26, 55.723, 29.725



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 68.062, 322.149 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, 68.062, 322.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

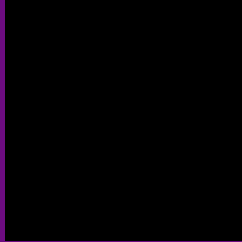
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 68.062, 322.149

Background



This preview shows how black text looks on a background with the CIELCh color 27, 68.062, 322.149.



This preview shows how white text looks on a background with the CIELCh color 27, 68.062, 322.149.

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, 68.062, 322.149

Protanopia
28, 46.169, 285.283

Tritanopia
28, 23.144, 18.061

Trichromacy



Original Color
27, 68.062, 322.149

Protanomaly
24, 57.438, 299.524

Tritanomaly
26, 37.395, 340.114

Monochromacy



Original Color
27, 68.062, 322.149

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 30.786, 321.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 68.062, 322.149 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(109, 12, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 12, 129)  
}
```

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(109, 12, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 12, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 68.062, 322.149 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(109, 12, 129) }
```

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

```
.border{ border-color:rgb(109, 12, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 12, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 12, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 12, 129);  
box-shadow:4px 4px 4px 4px rgb(109, 12,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 68.062, 322.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 12, 129) }
```

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

```
.background{ background-color: rgb(109, 12,  
129) }
```

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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