

Converting Colors

CIELCh(18, 89.261, 336.429)

Have a look what the booklet for
CIELCh(18, 89.261, 336.429)
contains.

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Color

CIELCh(27, 57.509, 338.410)

Conversions

Conversions Part 1

Format	Color
Hex	7B0061
RGB	123, 0, 97
RGB Percent	48%, 0%, 38%
CMY	0.5171, 0.9989, 0.6191
CMYK	0.00, 1.00, 0.21, 0.52
HSL	313°, 100%, 24%
HSV	313°, 100%, 48%
XYZ	10.3570, 5.0937, 11.7798
YIQ	47.8350, 42.1710, 56.2430

Conversions

Conversions Part 2

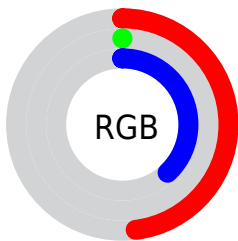
Format	Color
R_{YB}	123, 0, 97
Decimal	8061025
CIE _{Lab}	27.00, 53.47, -21.16
CIE _{LCh}	27, 57.509, 338.410
Yxy	5.0937, 0.3803, 0.1871
Android (android.graphics.Color)	4286251105 (0xFF7B0061)
YUV	47.8350, 24.2383, 65.9197
Hunter-Lab	22.5692, 42.4179, -15.1474

Details

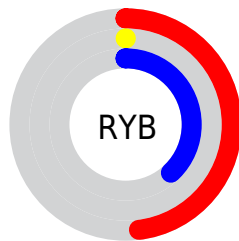
The CIELCh color **27, 57.509, 338.410** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 64.280, 139.479**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 57.575, 338.374**, and **13, 37.365, 341.106** is the 20% darker color. If you saturate the color by 10%, you get **27, 57.544, 338.433**, and if you desaturate by 10%, it is **28, 55.925, 337.415**.

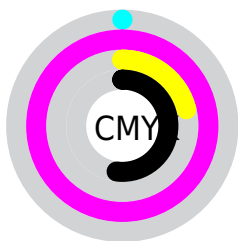
Distribution



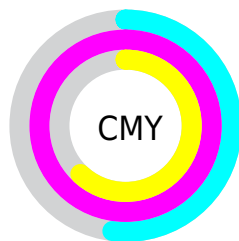
- Red (48%)
- Green (0%)
- Blue (38%)



- Red (48%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (52%)





- Cyan (52%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 57.509, 338.410 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, 57.509, 338.410 by changing the saturation by 10% instead.

 27, 57.509,
338.410


 27, 57.509,
338.410

 100, 57.509,
338.410


 17, 57.509,
338.410


 47, 57.509,
338.410


 7, 57.509, 338.410

 57, 57.509,
338.410

 0, 57.509, 338.410

 67, 57.509,
338.410

 77, 57.509,
338.410

 87, 57.509,
338.410

 97, 57.509,

338.410

■ 27, 57.509,
338.410

■ 27, 57.509,
338.410

■ 27, 57.544,
338.433

■ 28, 55.925,
337.415

■ 29, 53.298,
336.490

■ 31, 49.153,
335.657

■ 33, 43.716,
334.887

■ 36, 37.298,
334.159

■ 38, 30.215,
333.461

■ 42, 22.742,
332.788

■ 45, 15.092,
332.137

■ 48, 7.421, 331.499

Harmonies

Complementary

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



27, 57.509, 338.410



45, 64.280, 139.479

Rectangle

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



27, 57.509, 338.410



27, 57.509, 28.410



27, 57.509, 158.410



27, 57.509, 208.410

Sweetspot

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



27, 57.507, 338.410



53, 28.480, 332.852



14, 76.485, 307.482



26, 19.556, 333.085



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 57.507, 338.410



36, 69.560, 338.742



25, 50.539, 18.828



24, 4.255, 331.454



27, 58.134, 338.451



57, 97.073, 339.136

Inverse Universe

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



27, 57.507, 338.410



36, 69.560, 338.742



45, 40.631, 162.720



24, 4.255, 331.454



27, 58.134, 338.451



57, 97.073, 339.136

Previews

White Background



This preview shows how the CIELCh color 27, 57.509, 338.410 looks on a white background.

Color Contrast Check

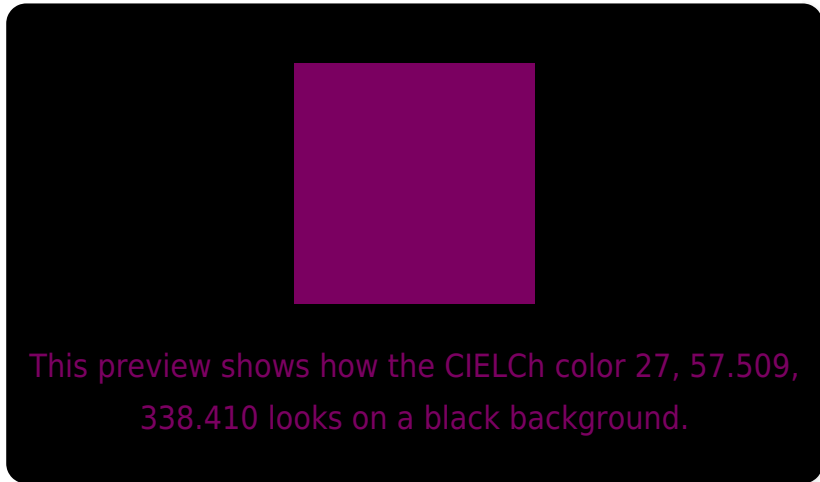
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

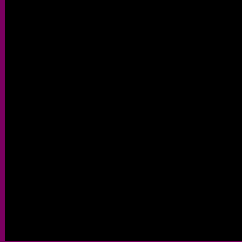
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 57.509, 338.410

Background



This preview shows how black text looks on a background with the CIELCh color 27, 57.509, 338.410.



This preview shows how white text looks on a background with the CIELCh color 27, 57.509, 338.410.

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, 57.509, 338.410

Protanopia
29, 47.197, 286.276

Deuteranopia
28, 16.237, 285.272



Tritanopia
28, 39.916, 27.221

Trichromacy



Original Color
27, 57.509, 338.410

Protanomaly
23, 53.915, 302.540

Deuteranomaly
25, 36.171, 321.073

Tritanomaly
27, 43.563, 3.615

Monochromacy



Original Color
27, 57.509, 338.410

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 29.003, 334.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 57.509, 338.410 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(123, 0, 97)` looks like.

```
.text, #text, p{  
    color:rgb(123, 0, 97)  
}
```

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(123, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 0, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 57.509, 338.410 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(123, 0, 97) }
```

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

```
.border{ border-color:rgb(123, 0, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 0, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(123, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 57.509, 338.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 0, 97) }
```

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

```
.background{ background-color: rgb(123, 0,  
97) }
```

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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