

Converting Colors

CIELCh(27, 51.866, 358.345)

Have a look what the booklet for
CIELCh(27, 51.866, 358.345)
contains.

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Color

CIELCh(27, 51.594, 358.149)

Conversions

Conversions Part 1

Format	Color
Hex	810044
RGB	129, 0, 68
RGB Percent	51%, 0%, 27%
CMY	0.4938, 0.9994, 0.7331
CMYK	0.00, 1.00, 0.47, 0.49
HSL	328°, 100%, 25%
HSV	328°, 100%, 51%
XYZ	10.1109, 5.0937, 5.9286
YIQ	46.3230, 55.0560, 48.4960

Conversions

Conversions Part 2

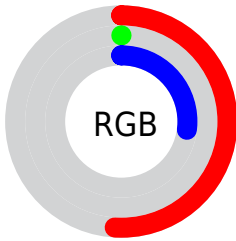
Format	Color
R_{YB}	129, 0, 68
Decimal	8454212
CIE _{Lab}	27.00, 51.57, -1.67
CIE _{LCh}	27, 51.594, 358.149
Yxy	5.0937, 0.4784, 0.2410
Android (android.graphics.Color)	4286644292 (0xFF810044)
YUV	46.3230, 10.6868, 72.5077
Hunter-Lab	22.5692, 40.4711, 0.2237

Details

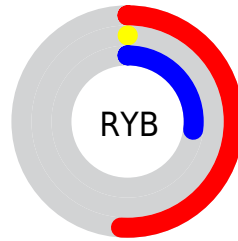
The CIELCh color **27, 51.594, 358.149** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 54.321, 148.609**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 51.446, 357.985**, and **13, 34.344, 11.032** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.610, 358.184**, and if you desaturate by 10%, it is **28, 50.051, 355.078**.

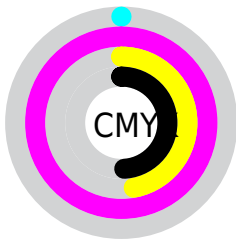
Distribution



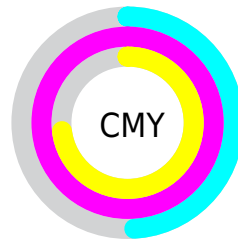
- Red (51%)
- Green (0%)
- Blue (27%)



- Red (51%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (49%)





- Cyan (49%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 51.594, 358.149 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, 51.594, 358.149 by changing the saturation by 10% instead.

 27, 51.594,
358.149


 27, 51.594,
358.149

 100, 51.594,
358.149


 17, 51.594,
358.149

 47, 51.594,
358.149


 7, 51.594, 358.149

 57, 51.594,
358.149

 0, 51.594, 358.149

 67, 51.594,
358.149

 77, 51.594,
358.149

 87, 51.594,
358.149

 97, 51.594,

358.149

■ 27, 51.594,
358.149

■ 27, 51.594,
358.149

■ 27, 51.610,
358.184

■ 28, 50.051,
355.078

■ 29, 47.603,
352.418

■ 31, 43.774,
350.288

■ 34, 38.784,
348.556

■ 37, 32.946,
347.113

■ 40, 26.570,
345.882

■ 43, 19.917,
344.806

■ 47, 13.180,
343.847

■ 50, 6.491, 342.967

Harmonies

Complementary

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



27, 51.594, 358.149



47, 54.321, 148.609

Rectangle

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



27, 51.594, 358.149



27, 51.594, 48.149



27, 51.594, 178.149



27, 51.594, 228.149

Sweetspot

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



27, 51.591, 358.150



55, 24.838, 344.889



18, 75.537, 311.505



27, 16.875, 345.255



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, 51.591, 358.150



36, 62.468, 359.177



26, 60.685, 37.105



25, 3.659, 342.898



27, 51.164, 358.132



0, 0.000, 0.000

Inverse Universe

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



27, 51.591, 358.150



36, 62.468, 359.177



49, 31.019, 191.547



25, 3.659, 342.898



27, 51.164, 358.132



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 51.594, 358.149 looks on a white background.

Color Contrast Check

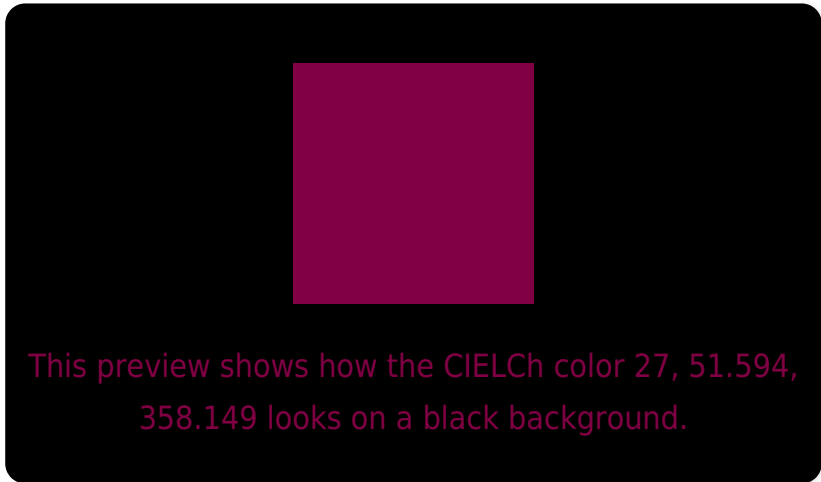
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

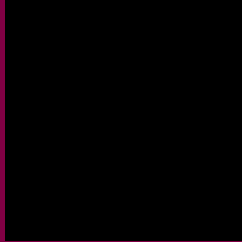
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 51.594, 358.149

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.594, 358.149.



This preview shows how white text looks on a background with the CIELCh color 27, 51.594, 358.149.

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, 51.594, 358.149

Protanopia

29, 20.776, 285.245

Deuteranopia

29, 5.244, 34.309



Tritanopia
28, 49.800, 32.389

Trichromacy



Original Color
27, 51.594, 358.149

Protanomaly
24, 33.008, 324.251

Deuteranomaly
25, 27.798, 353.046

Tritanomaly
27, 48.871, 19.406

Monochromacy



Original Color
27, 51.594, 358.149

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 26.070, 347.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.594, 358.149 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(129, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 68)  
}
```

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(129, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.594, 358.149 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(129, 0, 68) }
```

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

```
.border{ border-color:rgb(129, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(129, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.594, 358.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 68) }
```

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

```
.background{ background-color: rgb(129, 0,  
68) }
```

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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