

Converting Colors

CIELCh(27, 51.094, 358.582)

Have a look what the booklet for
CIELCh(27, 51.094, 358.582)
contains.

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Color

CIELCh(27, 51.128, 359.037)

Conversions

Conversions Part 1

Format	Color
Hex	810243
RGB	129, 2, 67
RGB Percent	51%, 1%, 26%
CMY	0.4948, 0.9933, 0.7378
CMYK	0.00, 0.99, 0.48, 0.49
HSL	329°, 97%, 26%
HSV	329°, 99%, 51%
XYZ	10.0538, 5.0937, 5.7412
YIQ	47.3830, 54.8270, 47.1390

Conversions

Conversions Part 2

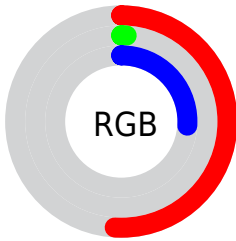
Format	Color
RYB	129, 2, 67
Decimal	8454723
CIELab	27.00, 51.12, -0.86
CIELCh	27, 51.128, 359.037
Yxy	5.0937, 0.4813, 0.2438
Android (android.graphics.Color)	4286644803 (0xFF810243)
YUV	47.3830, 9.6712, 71.5781
Hunter-Lab	22.5692, 40.0200, 0.7160

Details

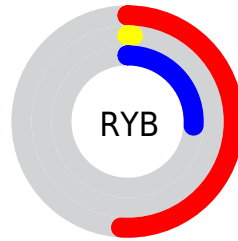
The CIELCh color **27, 51.128, 359.037** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 53.056, 149.530**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 50.871, 358.868**, and **13, 34.344, 11.032** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.352, 359.456**, and if you desaturate by 10%, it is **28, 49.510, 355.854**.

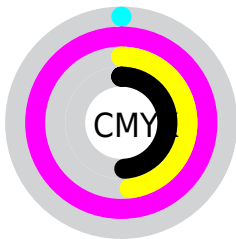
Distribution



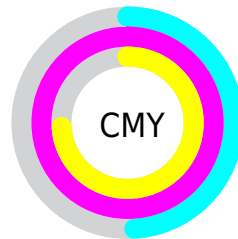
- Red (51%)
- Green (1%)
- Blue (26%)



- Red (51%)
- Yellow (1%)
- Blue (26%)



- Cyan (0%)
- Magenta (99%)
- Yellow (48%)
- Black (49%)





- Cyan (49%)
- Magenta (99%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 51.128, 359.037 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, 51.128, 359.037 by changing the saturation by 10% instead.

 27, 51.128,
359.037


 27, 51.128,
359.037

 100, 51.128,
359.037


 17, 51.128,
359.037


 47, 51.128,
359.037


 7, 51.128, 359.037

 57, 51.128,
359.037

 0, 51.128, 359.037

 67, 51.128,
359.037

 77, 51.128,
359.037

 87, 51.128,
359.037

 97, 51.128,

359.037

■ 27, 51.128,
359.037

■ 27, 51.128,
359.037

■ 27, 51.352,
359.456

■ 28, 49.510,
355.854

■ 29, 46.862,
353.161

■ 31, 42.874,
351.006

■ 34, 37.780,
349.254

■ 37, 31.893,
347.797

■ 40, 25.517,
346.554

■ 43, 18.902,
345.471

■ 47, 12.229,
344.505

■ 51, 5.623, 343.616

Harmonies

Complementary

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



27, 51.128, 359.037



47, 53.056, 149.530

Rectangle

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



27, 51.128, 359.037



27, 51.128, 49.037



27, 51.128, 179.037



27, 51.128, 229.037

Sweetspot

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



27, 51.125, 359.038



55, 24.622, 345.680



19, 74.591, 311.877



27, 16.731, 346.054



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, 51.125, 359.038



36, 62.264, 0.499



26, 60.550, 37.517



25, 3.624, 343.652



27, 50.977, 359.411



0, 0.000, 0.000

Inverse Universe

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



27, 51.125, 359.038



36, 62.264, 0.499



48, 30.470, 193.968



25, 3.624, 343.652



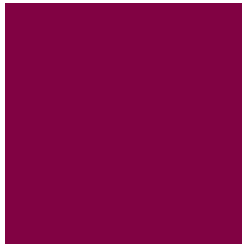
27, 50.977, 359.411



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 51.128, 359.037 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 CIE LCh color 27, 51.128, 359.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

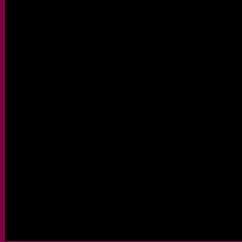
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 51.128, 359.037

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.128, 359.037.



This preview shows how white text looks on a background with the CIELCh color 27, 51.128, 359.037.

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, 51.128, 359.037

Protanopia

28, 19.477, 285.321

Deuteranopia

29, 5.752, 46.563



Tritanopia
28, 49.800, 32.389

Trichromacy



Original Color
27, 51.128, 359.037

Protanomaly
25, 31.436, 326.116

Deuteranomaly
25, 26.793, 356.146

Tritanomaly
27, 48.837, 20.368

Monochromacy



Original Color
27, 51.128, 359.037

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.146, 349.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.128, 359.037 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, 2, 67)` looks like.

```
.text, #text, p{  
    color:rgb(129, 2, 67)  
}
```

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, 2, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 2, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.128, 359.037 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, 2, 67) }
```

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

```
.border{ border-color:rgb(129, 2, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 2, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 2, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 2, 67);  
box-shadow:4px 4px 4px 4px rgb(129, 2, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.128, 359.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 2, 67) }
```

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

```
.background{ background-color: rgb(129, 2,  
67) }
```

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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