

Converting Colors

CIELCh(27, 50.965, 359.501)

Have a look what the booklet for
CIELCh(27, 50.965, 359.501)
contains.

CIELCh(27, 51.033, 359.741)	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, 51.033, 359.741)

Conversions

Conversions Part 1

Format	Color
Hex	810242
RGB	129, 2, 66
RGB Percent	51%, 1%, 26%
CMY	0.4944, 0.9927, 0.7414
CMYK	0.00, 0.99, 0.49, 0.49
HSL	330°, 97%, 26%
HSV	330°, 99%, 51%
XYZ	10.0426, 5.0937, 5.5981
YIQ	47.2690, 55.1480, 46.8280

Conversions

Conversions Part 2

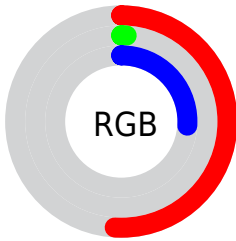
Format	Color
R_{YB}	129, 2, 66
Decimal	8454722
CIE _{Lab}	27.00, 51.03, -0.23
CIE _{LCh}	27, 51.033, 359.741
Yxy	5.0937, 0.4843, 0.2457
Android (android.graphics.Color)	4286644802 (0xFF810242)
YUV	47.2690, 9.2344, 71.6781
Hunter-Lab	22.5692, 39.9310, 1.0921

Details

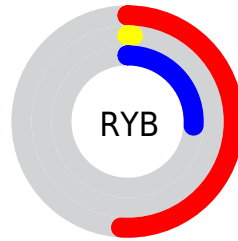
The CIELCh color **27, 51.033, 359.741** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 52.602, 149.962**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 50.751, 359.503**, and **12, 34.418, 12.232** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.284, 0.210**, and if you desaturate by 10%, it is **28, 49.379, 356.485**.

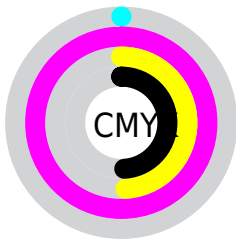
Distribution



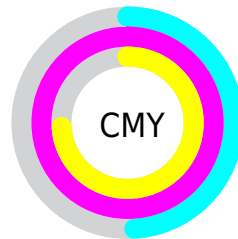
- Red (51%)
- Green (1%)
- Blue (26%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 51.033, 359.741 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, 51.033, 359.741 by changing the saturation by 10% instead.

 27, 51.033,
359.741


 27, 51.033,
359.741

 100, 51.033,
359.741


 17, 51.033,
359.741


 47, 51.033,
359.741


 7, 51.033, 359.741

 57, 51.033,
359.741

 0, 51.033, 359.741

 67, 51.033,
359.741

 77, 51.033,
359.741

 87, 51.033,
359.741

 97, 51.033,

359.741

■ 27, 51.033,
359.741

■ 27, 51.033,
359.741

■ 27, 51.284, 0.210

■ 28, 49.379,
356.485

■ 30, 46.694,
353.737

■ 32, 42.682,
351.541

■ 34, 37.578,
349.758

■ 37, 31.693,
348.278

■ 40, 25.329,
347.019

■ 43, 18.734,
345.922

■ 47, 12.088,
344.947

■ 51, 5.513, 344.050

Harmonies

Complementary

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



27, 51.033, 359.741



47, 52.602, 149.962

Rectangle

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



27, 51.033, 359.741



27, 51.033, 49.741



27, 51.033, 179.741



27, 51.033, 229.741

Sweetspot

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



27, 51.030, 359.742



55, 24.499, 346.147



19, 74.572, 311.878



27, 16.649, 346.526



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, 51.030, 359.742



36, 62.164, 1.274



26, 60.532, 37.498



25, 3.604, 344.098



27, 50.882, 0.161



0, 0.000, 0.000

Inverse Universe

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



27, 51.030, 359.742



36, 62.164, 1.274



49, 30.477, 193.971



25, 3.604, 344.098



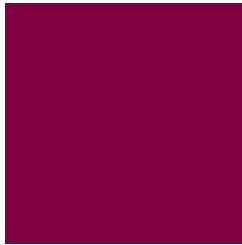
27, 50.882, 0.161



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 51.033, 359.741 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, 51.033, 359.741 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, 51.033, 359.741

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.033, 359.741.



This preview shows how white text looks on a background with the CIELCh color 27, 51.033, 359.741.

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, 51.033, 359.741

Protanopia

28, 18.847, 284.865

Deuteranopia

29, 5.752, 46.563



Tritanopia
28, 50.308, 32.656

Trichromacy



Original Color
27, 51.033, 359.741

Protanomaly
24, 30.934, 326.794

Deuteranomaly
25, 26.793, 356.146

Tritanomaly
27, 49.035, 20.141

Monochromacy



Original Color
27, 51.033, 359.741

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, 51.033, 359.741 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(129, 2, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 2, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.033, 359.741 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, 66) }
```

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

```
.border{ border-color:rgb(129, 2, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 2, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 2, 66);  
box-shadow:4px 4px 4px 4px rgb(129, 2, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.033, 359.741 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, 66) }
```

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

```
.background{ background-color: rgb(129, 2,  
66) }
```

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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