

Converting Colors

CIELCh(27, 52.129, 356.818)

Have a look what the booklet for
CIELCh(27, 52.129, 356.818)
contains.

CIELCh(27, 51.833, 356.775)	3
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Color

CIELCh(27, 51.833, 356.775)

Conversions

Conversions Part 1

Format	Color
Hex	810046
RGB	129, 0, 70
RGB Percent	51%, 0%, 27%
CMY	0.4946, 1.0000, 0.7259
CMYK	0.00, 1.00, 0.46, 0.49
HSL	327°, 100%, 25%
HSV	327°, 100%, 51%
XYZ	10.1344, 5.0937, 6.2266
YIQ	46.5510, 54.4140, 49.1180

Conversions

Conversions Part 2

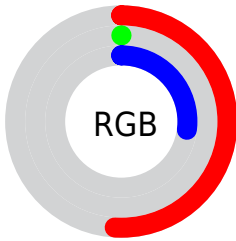
Format	Color
RYB	129, 0, 70
Decimal	8454214
CIELab	27.00, 51.75, -2.92
CIELCh	27, 51.833, 356.775
Yxy	5.0937, 0.4724, 0.2374
Android (android.graphics.Color)	4286644294 (0xFF810046)
YUV	46.5510, 11.5604, 72.3078
Hunter-Lab	22.5692, 40.6574, -0.5592

Details

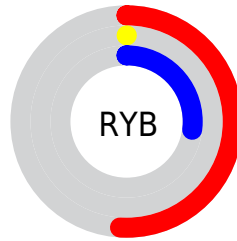
The CIELCh color **27, 51.833, 356.775** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 55.128, 147.863**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 51.725, 356.747**, and **13, 34.580, 9.188** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.793, 356.794**, and if you desaturate by 10%, it is **28, 50.304, 353.863**.

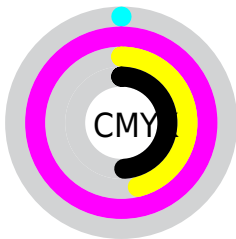
Distribution



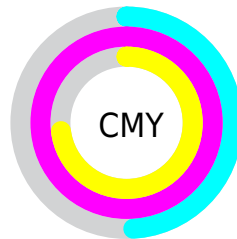
- Red (51%)
- Green (0%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (49%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 51.833, 356.775 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, 51.833, 356.775 by changing the saturation by 10% instead.

 27, 51.833,
356.775


 27, 51.833,
356.775

 100, 51.833,
356.775


 17, 51.833,
356.775


 47, 51.833,
356.775


 7, 51.833, 356.775

 57, 51.833,
356.775

 0, 51.833, 356.775

 67, 51.833,
356.775

 77, 51.833,
356.775

 87, 51.833,
356.775

 97, 51.833,

356.775

■ 27, 51.833,
356.775

■ 27, 51.833,
356.775

■ 27, 51.793,
356.794

■ 28, 50.304,
353.863

■ 29, 47.903,
351.319

■ 31, 44.098,
349.276

■ 34, 39.113,
347.608

■ 37, 33.261,
346.213

■ 40, 26.856,
345.018

■ 43, 20.162,
343.969

■ 47, 13.374,
343.030

■ 50, 6.627, 342.166

Harmonies

Complementary

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



27, 51.833, 356.775



47, 55.128, 147.863

Rectangle

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



27, 51.833, 356.775



27, 51.833, 46.775



27, 51.833, 176.775



27, 51.833, 226.775

Sweetspot

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



27, 51.793, 356.794



55, 25.081, 344.039



18, 75.769, 311.159



27, 17.037, 344.396



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, 51.793, 356.794



36, 62.734, 357.747



26, 60.170, 36.437



25, 3.699, 342.088



27, 51.402, 356.751



0, 0.000, 0.000

Inverse Universe

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



27, 51.793, 356.794



36, 62.734, 357.747



48, 31.453, 189.216



25, 3.699, 342.088



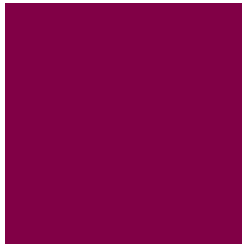
27, 51.402, 356.751



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 51.833, 356.775 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, 51.833, 356.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

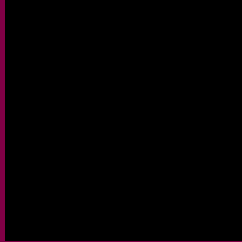
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 51.833, 356.775

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.833, 356.775.



This preview shows how white text looks on a background with the CIELCh color 27, 51.833, 356.775.

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, 51.833, 356.775

Protanopia
29, 22.698, 285.652

Deuteranopia
29, 4.632, 28.067



Tritanopia
28, 49.288, 32.123

Trichromacy



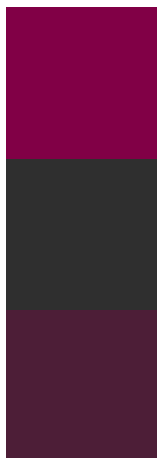
Original Color
27, 51.833, 356.775

Protanomaly
24, 34.576, 322.571

Deuteranomaly
25, 28.029, 351.825

Tritanomaly
27, 48.516, 18.888

Monochromacy



Original Color
27, 51.833, 356.775

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 26.050, 347.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.833, 356.775 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.833, 356.775 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, 70) }
```

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

```
.border{ border-color:rgb(129, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.833, 356.775 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, 70) }
```

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

```
.background{ background-color: rgb(129, 0,  
70) }
```

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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