

Converting Colors

CIELCh(28, 60.011, 337.066)

Have a look what the booklet for
CIELCh(28, 60.011, 337.066)
contains.

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Color

CIELCh(28, 59.780, 337.145)

Conversions

Conversions Part 1

Format	Color
Hex	7F0067
RGB	127, 0, 103
RGB Percent	50%, 0%, 40%
CMY	0.5029, 1.0000, 0.5970
CMYK	0.00, 1.00, 0.19, 0.50
HSL	311°, 100%, 25%
HSV	311°, 100%, 50%
XYZ	11.1469, 5.4574, 13.2384
YIQ	49.7150, 42.6290, 58.9570

Conversions

Conversions Part 2

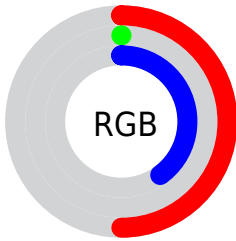
Format	Color
RYB	127, 0, 103
Decimal	8323175
CIELab	28.00, 55.09, -23.22
CIELCh	28, 59.780, 337.145
Yxy	5.4574, 0.3735, 0.1829
Android (android.graphics.Color)	4286513255 (0xFF7F0067)
YUV	49.7150, 26.2695, 67.7789
Hunter-Lab	23.3610, 44.2907, -17.2462

Details

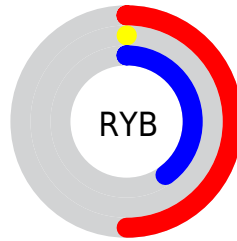
The CIELCh color **28, 59.780, 337.145** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **46, 66.598, 138.881**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 59.784, 337.216**, and **14, 39.818, 338.782** is the 20% darker color. If you saturate the color by 10%, you get **28, 59.689, 337.153**, and if you desaturate by 10%, it is **29, 58.090, 336.275**.

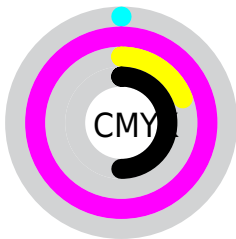
Distribution



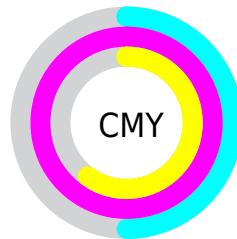
- Red (50%)
- Green (0%)
- Blue (40%)



- Red (50%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (50%)





- Cyan (50%)
- Magenta (100%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 59.780, 337.145 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 28, 59.780, 337.145 by changing the saturation by 10% instead.

 28, 59.780,
337.145


 28, 59.780,
337.145

 100, 59.780,
337.145


 18, 59.780,
337.145


 48, 59.780,
337.145


 8, 59.780, 337.145

 58, 59.780,
337.145

 0, 59.780, 337.145

 68, 59.780,
337.145

 78, 59.780,
337.145

 88, 59.780,
337.145

 98, 59.780,

337.145

■ 28, 59.780,
337.145

■ 28, 59.780,
337.145

■ 28, 59.689,
337.153

■ 29, 58.090,
336.275

■ 30, 55.411,
335.449

■ 32, 51.158,
334.692

■ 34, 45.558,
333.978

■ 37, 38.926,
333.292

■ 40, 31.590,
332.625

■ 43, 23.834,
331.975

■ 46, 15.885,
331.340

■ 50, 7.905, 330.716

Harmonies

Complementary

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



28, 59.780, 337.145



46, 66.598, 138.881

Rectangle

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



28, 59.780, 337.145



28, 59.780, 27.145



28, 59.780, 157.145



28, 59.780, 207.145

Sweetspot

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



28, 59.689, 337.153



55, 29.674, 332.021



14, 78.419, 307.335



27, 20.374, 332.251



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 59.689, 337.153



38, 72.348, 337.413



26, 51.388, 17.603



25, 4.474, 330.659



28, 59.939, 337.159



0, 0.000, 0.000

Inverse Universe

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



28, 59.689, 337.153



38, 72.348, 337.413



47, 42.434, 161.323



25, 4.474, 330.659



28, 59.939, 337.159



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 59.780, 337.145 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 28, 59.780, 337.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

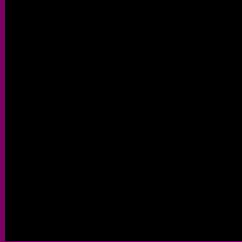
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 59.780, 337.145

Background



This preview shows how black text looks on a background with the CIELCh color 28, 59.780, 337.145.



This preview shows how white text looks on a background with the CIELCh color 28, 59.780, 337.145.

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

28, 59.780, 337.145

Protanopia

29, 48.922, 286.041

Deuteranopia

30, 17.466, 283.693



Tritanopia
29, 39.981, 26.200

Trichromacy



Original Color
28, 59.780, 337.145

Protanomaly
23, 55.657, 301.095

Deuteranomaly
26, 37.695, 319.705

Tritanomaly
28, 44.442, 1.747

Monochromacy



Original Color
28, 59.780, 337.145

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 30.253, 333.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 59.780, 337.145 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(127, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 103)  
}
```

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(127, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 59.780, 337.145 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(127, 0, 103) }
```

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

```
.border{ border-color:rgb(127, 0, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 0, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 59.780, 337.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 103) }
```

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

```
.background{ background-color: rgb(127, 0,  
103) }
```

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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