

Converting Colors

CIELCh(28, 51.119, 357.585)

Have a look what the booklet for
CIELCh(28, 51.119, 357.585)
contains.

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Color

CIELCh(28, 51.156, 357.502)

Conversions

Conversions Part 1

Format	Color
Hex	830747
RGB	131, 7, 71
RGB Percent	51%, 3%, 28%
CMY	0.4855, 0.9711, 0.7210
CMYK	0.00, 0.94, 0.46, 0.49
HSL	329°, 89%, 27%
HSV	329°, 94%, 51%
XYZ	10.6120, 5.4574, 6.4816
YIQ	51.3720, 53.3600, 46.1920

Conversions

Conversions Part 2

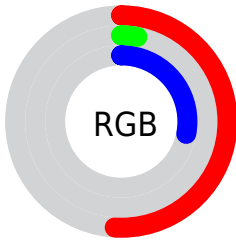
Format	Color
RYB	131, 7, 71
Decimal	8587079
CIELab	28.00, 51.11, -2.23
CIElCh	28, 51.156, 357.502
Yxy	5.4574, 0.4706, 0.2420
Android (android.graphics.Color)	4286777159 (0xFF830747)
YUV	51.3720, 9.6766, 69.8338
Hunter-Lab	23.3610, 40.2034, -0.0976

Details

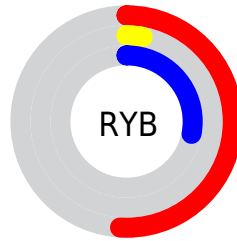
The CIELCh color **28, 51.156, 357.502** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 52.432, 150.211**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 51.111, 357.468**, and **13, 35.204, 9.109** is the 20% darker color. If you saturate the color by 10%, you get **27, 52.053, 359.300**, and if you desaturate by 10%, it is **29, 49.271, 354.463**.

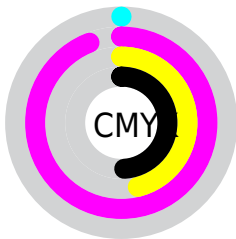
Distribution



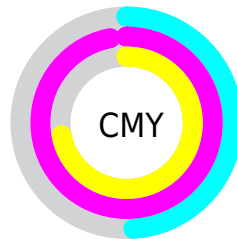
- Red (51%)
- Green (3%)
- Blue (28%)



- Red (51%)
- Yellow (3%)
- Blue (28%)



- Cyan (0%)
- Magenta (94%)
- Yellow (46%)
- Black (49%)





- Cyan (49%)
- Magenta (97%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 51.156, 357.502 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, 51.156, 357.502 by changing the saturation by 10% instead.

 28, 51.156,
357.502


 28, 51.156,
357.502

 100, 51.156,
357.502


 18, 51.156,
357.502


 48, 51.156,
357.502


 8, 51.156, 357.502

 58, 51.156,
357.502

 0, 51.156, 357.502

 68, 51.156,
357.502

 78, 51.156,
357.502

 88, 51.156,
357.502

 98, 51.156,

357.502

■ 28, 51.156,
357.502

■ 28, 51.156,
357.502

■ 27, 52.053,
359.300

■ 29, 49.271,
354.463

■ 31, 46.003,
352.024

■ 33, 41.450,
350.062

■ 36, 35.899,
348.452

■ 39, 29.675,
347.098

■ 42, 23.066,
345.932

■ 46, 16.299,
344.905

■ 49, 9.532, 343.980

■ 53, 2.870, 343.083

Harmonies

Complementary

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



28, 51.156, 357.502



48, 52.432, 150.211

Rectangle

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



28, 51.156, 357.502



28, 51.156, 47.502



28, 51.156, 177.502



28, 51.156, 227.502

Sweetspot

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



28, 51.153, 357.503



57, 23.285, 345.329



20, 73.648, 311.942



28, 16.219, 345.719



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 51.153, 357.503



37, 62.987, 0.311



27, 59.582, 36.733



26, 3.752, 343.520



27, 51.731, 359.263



0, 0.889, 342.842

Inverse Universe

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



28, 51.153, 357.503



37, 62.987, 0.311



49, 30.554, 194.075



26, 3.752, 343.520



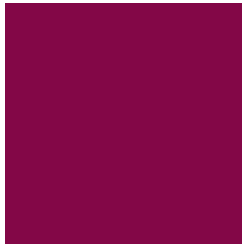
27, 51.731, 359.263



0, 0.889, 342.842

Previews

White Background



This preview shows how the CIELCh color 28, 51.156, 357.502 looks on a white background.

Color Contrast Check

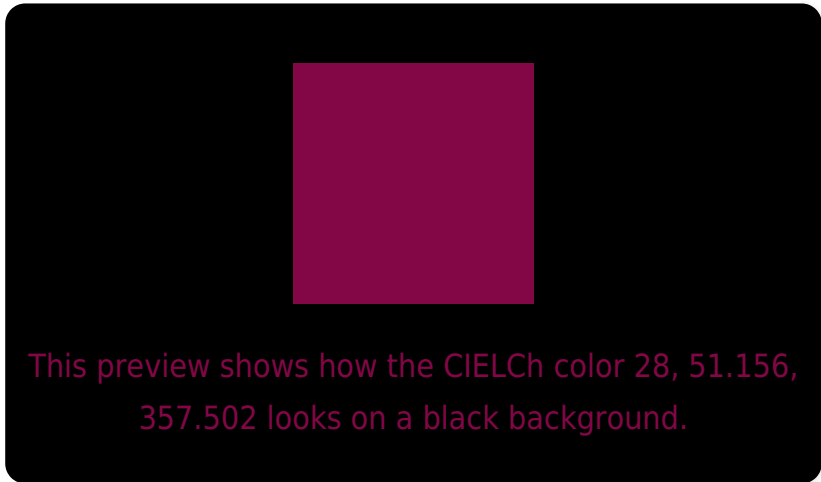
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 51.156, 357.502

Background



This preview shows how black text looks on a background with the CIELCh color 28, 51.156, 357.502.



This preview shows how white text looks on a background with the CIELCh color 28, 51.156, 357.502.

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, 51.156, 357.502

Protanopia

29, 22.014, 284.244

Deuteranopia

29, 5.016, 20.206



Tritanopia
28, 49.639, 32.018

Trichromacy



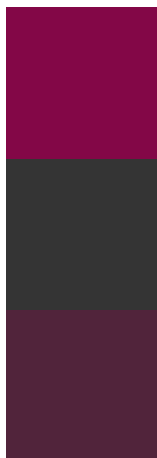
Original Color
28, 51.156, 357.502

Protanomaly
26, 32.446, 322.145

Deuteranomaly
26, 26.755, 352.691

Tritanomaly
28, 48.488, 19.352

Monochromacy



Original Color
28, 51.156, 357.502

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 24.682, 348.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 51.156, 357.502 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(131, 7, 71)` looks like.

```
.text, #text, p{  
  color:rgb(131, 7, 71)  
}
```

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(131, 7, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 7, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 51.156, 357.502 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(131, 7, 71) }
```

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

```
.border{ border-color:rgb(131, 7, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 7, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 7, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 7, 71);  
box-shadow:4px 4px 4px 4px rgb(131, 7, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 51.156, 357.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 7, 71) }
```

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

```
.background{ background-color: rgb(131, 7,  
71) }
```

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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