

Converting Colors

CIELCh(18, 80.100, 347.261)

Have a look what the booklet for
CIELCh(18, 80.100, 347.261)
contains.

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Color

CIELCh(27, 51.552, 355.283)

Conversions

Conversions Part 1

Format	Color
Hex	800248
RGB	128, 2, 72
RGB Percent	50%, 1%, 28%
CMY	0.4980, 0.9931, 0.7183
CMYK	0.00, 0.99, 0.44, 0.50
HSL	327°, 97%, 25%
HSV	327°, 99%, 50%
XYZ	10.0866, 5.0937, 6.5530
YIQ	47.6540, 52.6260, 48.4820

Conversions

Conversions Part 2

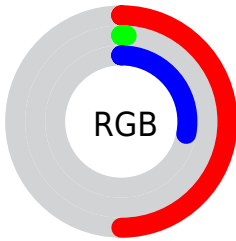
Format	Color
RYB	128, 2, 72
Decimal	8389192
CIELab	27.00, 51.38, -4.24
CIElCh	27, 51.552, 355.283
Yxy	5.0937, 0.4641, 0.2344
Android (android.graphics.Color)	4286579272 (0xFF800248)
YUV	47.6540, 12.0026, 70.4634
Hunter-Lab	22.5692, 40.2792, -1.4165

Details

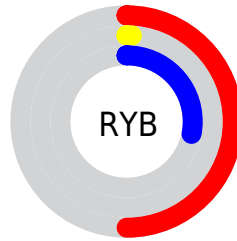
The CIELCh color **27, 51.552, 355.283** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47, 55.003, 147.564**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 51.285, 355.438**, and **13, 34.226, 6.226** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.764, 355.668**, and if you desaturate by 10%, it is **28, 50.063, 352.488**.

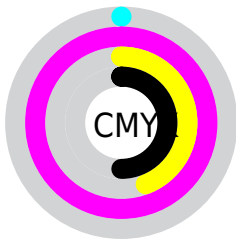
Distribution



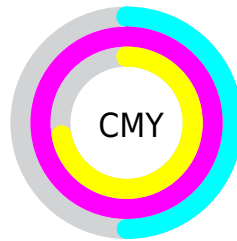
- Red (50%)
- Green (1%)
- Blue (28%)



- Red (50%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (44%)
- Black (50%)




- Cyan (50%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.552, 355.283 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, 51.552, 355.283 by changing the saturation by 10% instead.

 27, 51.552,
355.283

 27, 51.552,
355.283

 100, 51.552,
355.283

 17, 51.552,
355.283

 47, 51.552,
355.283


 7, 51.552, 355.283

 57, 51.552,
355.283

 0, 51.552, 355.283

 67, 51.552,
355.283

 77, 51.552,
355.283

 87, 51.552,
355.283

 97, 51.552,

355.283

■ 27, 51.552,
355.283

■ 27, 51.552,
355.283

■ 27, 51.764,
355.668

■ 28, 50.063,
352.488

■ 29, 47.483,
350.119

■ 31, 43.514,
348.209

■ 34, 38.399,
346.638

■ 37, 32.457,
345.315

■ 40, 25.997,
344.172

■ 43, 19.273,
343.163

■ 47, 12.471,
342.253

■ 50, 5.720, 341.408

Harmonies

Complementary

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



27, 51.552, 355.283



47, 55.003, 147.564

Rectangle

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



27, 51.552, 355.283



27, 51.552, 45.283



27, 51.552, 175.283



27, 51.552, 225.283

Sweetspot

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



27, 51.549, 355.284



55, 24.968, 343.363



18, 74.957, 310.823



27, 17.171, 343.716



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, 51.549, 355.284



36, 62.287, 356.561



26, 58.793, 35.428



25, 3.731, 341.448



27, 51.619, 355.652



0, 0.000, 0.000

Inverse Universe

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



27, 51.549, 355.284



36, 62.287, 356.561



48, 31.667, 187.067



25, 3.731, 341.448



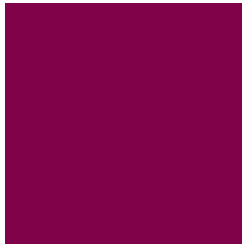
27, 51.619, 355.652



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 51.552, 355.283 looks on a white background.

Color Contrast Check

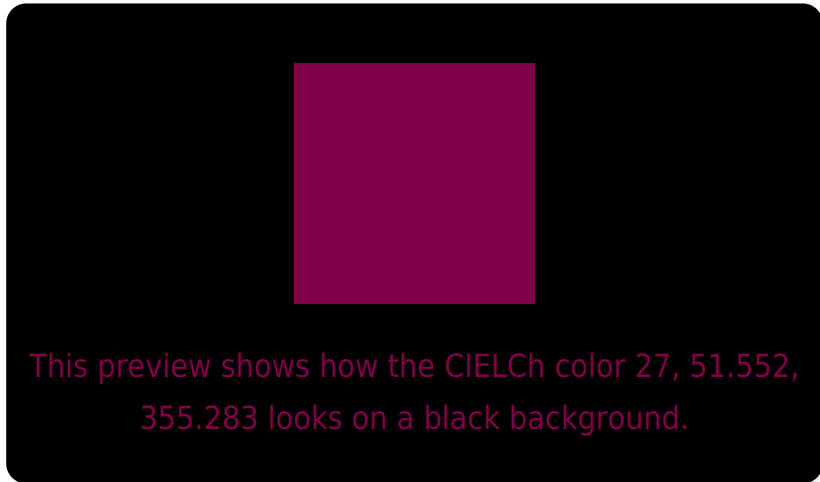
Large Text (above 18pt) WCAG AA ✓ Pass

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

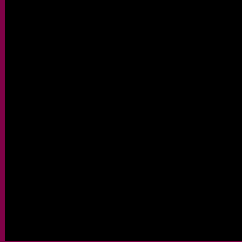
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 51.552, 355.283

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.552, 355.283.



This preview shows how white text looks on a background with the CIELCh color 27, 51.552, 355.283.

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, 51.531, 355.183

Protanopia

29, 24.029, 284.948

Deuteranopia

28, 4.131, 11.127



Tritanopia
28, 48.570, 31.405

Trichromacy



Original Color
27, 51.531, 355.183

Protanomaly
24, 34.743, 320.141

Deuteranomaly
25, 27.602, 349.224

Tritanomaly
27, 47.858, 17.121

Monochromacy



Original Color
27, 51.531, 355.183

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 26.035, 345.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.552, 355.283 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(128, 2, 72)` looks like.

```
.text, #text, p{  
    color:rgb(128, 2, 72)  
}
```

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(128, 2, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 2, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.552, 355.283 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(128, 2, 72) }
```

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

```
.border{ border-color:rgb(128, 2, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 2, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 2, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 2, 72);  
box-shadow:4px 4px 4px 4px rgb(128, 2, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.552, 355.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 2, 72) }
```

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

```
.background{ background-color: rgb(128, 2,  
72) }
```

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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