

Converting Colors

CIELCh(27, 50.059, 343.222)

Have a look what the booklet for
CIELCh(27, 50.059, 343.222)
contains.

CIELCh(27, 50.059, 343.222)	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, 50.059, 343.222)

Conversions

Conversions Part 1

Format	Color
Hex	781257
RGB	120, 18, 87
RGB Percent	47%, 7%, 34%
CMY	0.5300, 0.9302, 0.6594
CMYK	0.00, 0.85, 0.28, 0.53
HSL	319°, 74%, 27%
HSV	319°, 85%, 47%
XYZ	9.6521, 5.0937, 9.4623
YIQ	56.3640, 38.6430, 43.0830

Conversions

Conversions Part 2

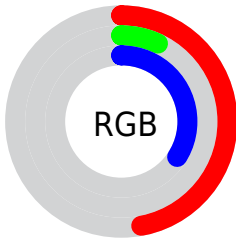
Format	Color
RYB	120, 18, 87
Decimal	7869015
CIELab	27.00, 47.93, -14.45
CIELCh	27, 50.059, 343.222
Yxy	5.0937, 0.3987, 0.2104
Android (android.graphics.Color)	4286059095 (0xFF781257)
YUV	56.3640, 15.1035, 55.8088
Hunter-Lab	22.5692, 36.8424, -9.0594

Details

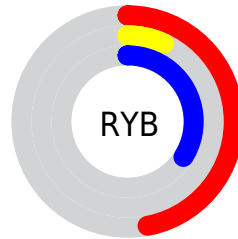
The CIELCh color $[27, 50.059, 343.222]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[44, 52.661, 145.362]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[47, 50.381, 343.304]$, and $[12, 34.659, 347.309]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 51.730, 344.899]$, and if you desaturate by 10%, it is $[29, 47.001, 341.808]$.

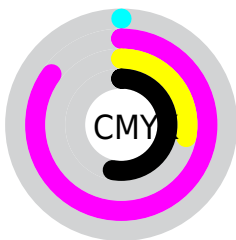
Distribution



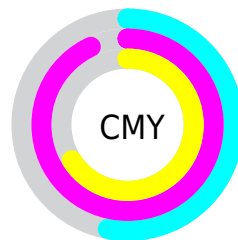
- Red (47%)
- Green (7%)
- Blue (34%)



- Red (47%)
- Yellow (7%)
- Blue (34%)



- Cyan (0%)
- Magenta (85%)
- Yellow (28%)
- Black (53%)




- Cyan (53%)
- Magenta (93%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 50.059, 343.222 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, 50.059, 343.222 by changing the saturation by 10% instead.

 27, 50.059,
343.222

 27, 50.059,
343.222

 100, 50.059,
343.222

 17, 50.059,
343.222

 47, 50.059,
343.222

 7, 50.059, 343.222

 57, 50.059,
343.222

 0, 50.059, 343.222

 67, 50.059,
343.222

 77, 50.059,
343.222

 87, 50.059,
343.222

 97, 50.059,

343.222

■ 27, 50.059,
343.222

■ 27, 50.059,
343.222

■ 26, 51.730,
344.899

■ 29, 47.001,
341.808

■ 25, 52.443,
345.725

■ 30, 42.609,
340.607

■ 33, 37.157,
339.560

■ 36, 30.958,
338.625

■ 39, 24.295,
337.772

■ 42, 17.399,
336.982

■ 45, 10.437,
336.241

■ 49, 3.524, 335.510

■ 52, 3.267, 155.005

Harmonies

Complementary

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



27, 50.059, 343.222



44, 52.661, 145.362

Rectangle

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



27, 50.059, 343.222



27, 50.059, 33.222



27, 50.059, 163.222



27, 50.059, 213.222

Sweetspot

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



27, 50.057, 343.222



53, 22.269, 337.096



18, 65.731, 308.451



26, 15.215, 337.312



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



27, 50.057, 343.222



34, 63.064, 346.306



25, 46.485, 21.826



23, 3.792, 335.799



26, 53.219, 345.777



55, 89.290, 347.097

Inverse Universe

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



27, 50.057, 343.222



34, 63.064, 346.306



45, 32.170, 175.533



23, 3.792, 335.799



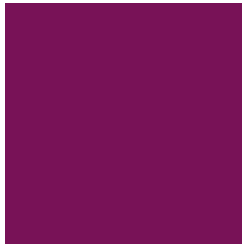
26, 53.219, 345.777



55, 89.290, 347.097

Previews

White Background



This preview shows how the CIELCh color 27, 50.059, 343.222 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, 50.059, 343.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

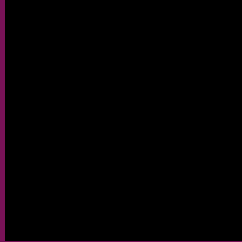
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 50.059, 343.222

Background



This preview shows how black text looks on a background with the CIELCh color 27, 50.059, 343.222.



This preview shows how white text looks on a background with the CIELCh color 27, 50.059, 343.222.

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, 50.059, 343.222

Protanopia

28, 36.402, 285.854

Deuteranopia

28, 10.370, 289.938



Tritanopia
27, 39.090, 27.135

Trichromacy



Original Color
27, 50.059, 343.222

Protanomaly
25, 40.535, 307.170

Deuteranomaly
26, 26.876, 327.324

Tritanomaly
27, 39.988, 8.312

Monochromacy



Original Color
27, 50.059, 343.222

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 22.768, 338.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 50.059, 343.222 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(120, 18, 87)` looks like.

```
.text, #text, p{  
    color:rgb(120, 18, 87)  
}
```

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(120, 18, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 18, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 50.059, 343.222 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(120, 18, 87) }
```

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

```
.border{ border-color:rgb(120, 18, 87) }
```

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

Here you see how a box with a 4 pixel rgb(120, 18, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 18, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 18, 87);  
box-shadow:4px 4px 4px 4px rgb(120, 18,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 50.059, 343.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 18, 87) }
```

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

```
.background{ background-color: rgb(120, 18,  
87) }
```

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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