

Converting Colors

CIELCh(51, 17.601, 317.798)

Have a look what the booklet for
CIELCh(51, 17.601, 317.798)
contains.

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Color

CIELCh(51, 17.576, 317.793)

Conversions

Conversions Part 1

Format	Color
Hex	87738E
RGB	135, 115, 142
RGB Percent	53%, 45%, 56%
CMY	0.4717, 0.5501, 0.4443
CMYK	0.05, 0.19, 0.00, 0.44
HSL	284°, 11%, 50%
HSV	284°, 19%, 56%
XYZ	20.9044, 19.2686, 28.0938
YIQ	124.0580, 3.2530, 12.6370

Conversions

Conversions Part 2

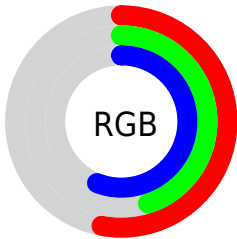
Format	Color
RYB	135, 115, 142
Decimal	8876942
CIELab	51.00, 13.02, -11.81
CIELCh	51, 17.576, 317.793
Yxy	19.2686, 0.3062, 0.2823
Android (android.graphics.Color)	4287067022 (0xFF87738E)
YUV	124.0580, 8.8454, 9.5961
Hunter-Lab	43.8960, 8.1882, -7.2189

Details

The CIELCh color $51, 17.576, 317.793$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 17.368, 136.156$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 17.658, 317.107$, and $31, 17.580, 317.437$ is the 20% darker color. If you saturate the color by 10%, you get $47, 26.970, 318.220$, and if you desaturate by 10%, it is $55, 8.273, 317.361$.

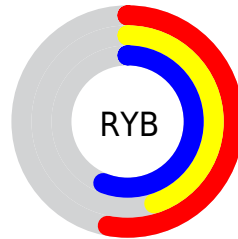
Distribution



Red (53%)

Green (45%)

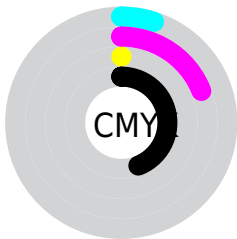
Blue (56%)



Red (53%)

Yellow (45%)

Blue (56%)

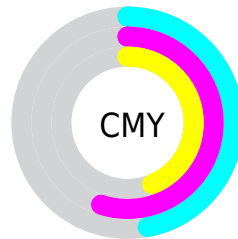


Cyan (5%)

Magenta (19%)

Yellow (0%)

Black (44%)



Cyan (47%)


Magenta (55%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 17.576, 317.793 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 51, 17.576, 317.793 by changing the saturation by 10% instead.


 51, 17.576,
317.793


 51, 17.576,
317.793


 100, 17.576,
317.793


 41, 17.576,
317.793


 71, 17.576,
317.793

 31, 17.576,
317.793

 81, 17.576,
317.793

 21, 17.576,
317.793

 91, 17.576,
317.793

 11, 17.576,
317.793

 1, 17.576, 317.793

 0, 17.576, 317.793

51, 17.576,
317.793

51, 17.576,
317.793

47, 26.970,
318.220

55, 8.273, 317.361

43, 36.333,
318.630

59, 0.857, 137.144

39, 45.473,
319.000

64, 9.772, 136.598

36, 54.114,
319.297

68, 18.450,
136.229

33, 61.889,
319.478

72, 26.882,
135.891

30, 68.368,
319.493

76, 35.070,
135.583


28, 73.139,
319.288


80, 43.018,
135.303

27, 76.388,

85, 50.737,
135.050

318.896

 89, 58.238,
134.821

 27, 76.699,
318.862

Harmonies

Complementary

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



51, 17.576, 317.793



57, 17.368, 136.156

Rectangle

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



51, 17.576, 317.793



51, 17.576, 7.793



51, 17.576, 137.793



51, 17.576, 187.793

Sweetspot

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



51, 17.574, 317.793



72, 6.762, 317.231



51, 11.763, 278.597



37, 4.472, 317.256



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 17.574, 317.793



63, 26.303, 317.983



51, 16.063, 332.911



28, 5.198, 317.367



25, 74.090, 318.899



0, 3.481, 317.005

Inverse Universe

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



51, 11.769, 0.696



63, 17.713, 1.224



56, 15.984, 150.420



28, 3.438, 359.621



28, 55.321, 23.070



0, 2.277, 358.839

Previews

White Background



This preview shows how the CIELCh color 51, 17.576, 317.793 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 17.576, 317.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

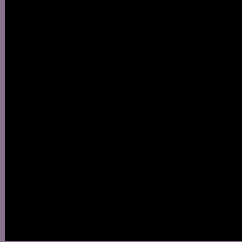
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 17.576, 317.793

Background



This preview shows how black text looks on a background with the CIELCh color 51, 17.576, 317.793.



This preview shows how white text looks on a background with the CIELCh color 51, 17.576, 317.793.

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


51, 17.576, 317.793

Protanopia

51, 15.205, 286.609

Deuteranopia

51, 13.012, 300.109



Tritanopia
51, 8.389, 336.411

Trichromacy



Original Color
51, 17.576, 317.793

Protanomaly
51, 15.341, 299.045

Deuteranomaly
51, 14.689, 308.395

Tritanomaly
51, 11.530, 326.736

Monochromacy



Original Color
51, 17.576, 317.793

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 5.950, 318.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 17.576, 317.793 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(135, 115, 142)` looks like.

```
.text, #text, p{  
    color:rgb(135, 115, 142)  
}
```

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(135, 115, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 115, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 17.576, 317.793 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(135, 115, 142) }
```

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

```
.border{ border-color:rgb(135, 115, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 115, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 115, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 115, 142);  
box-shadow:4px 4px 4px 4px rgb(135, 115,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 17.576, 317.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 115, 142) }
```

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

```
.background{ background-color: rgb(135,  
115, 142) }
```

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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