

Converting Colors

CIELCh(51, 3.754, 20.231)

Have a look what the booklet for
CIELCh(51, 3.754, 20.231) contains.

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Color

CIELCh(51, 4.077, 19.772)

Conversions

Conversions Part 1

Format	Color
Hex	817777
RGB	129, 119, 119
RGB Percent	51%, 47%, 47%
CMY	0.4932, 0.5324, 0.5325
CMYK	0.00, 0.08, 0.08, 0.49
HSL	0°, 4%, 49%
HSV	0°, 8%, 51%
XYZ	19.0539, 19.2686, 20.2377
YIQ	121.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

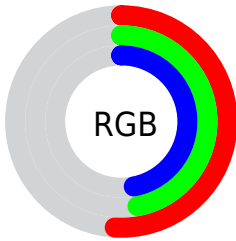
Format	Color
R_{YB}	129, 119, 119
Decimal	8484727
CIE Lab	51.00, 3.84, 1.38
CIE LCh	51, 4.077, 19.772
Yxy	19.2686, 0.3254, 0.3290
Android (android.graphics.Color)	4286674807 (0xFF817777)
YUV	121.9900, -1.4741, 6.1478
Hunter-Lab	43.8960, 0.6632, 3.3923

Details

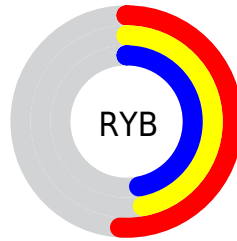
The CIELCh color $[51, 4.077, 19.772]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[53, 3.890, 199.121]$, and the grayscale version is $[51, 0.007, 296.813]$.

A 20% lighter version of the original color is $[71, 4.187, 19.650]$, and $[31, 4.034, 19.991]$ is the 20% darker color. If you saturate the color by 10%, you get $[47, 9.703, 20.581]$, and if you desaturate by 10%, it is $[55, 1.144, 199.663]$.

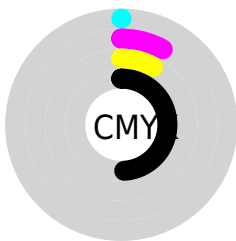
Distribution



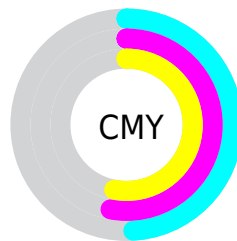
- Red (51%)
- Green (47%)
- Blue (47%)



- Red (51%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 4.077, 19.772 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, 4.077, 19.772 by changing the saturation by 10% instead.

■ 51, 4.077, 19.772 ■ 51, 4.077, 19.772

■ 100, 4.077, 19.772 ■ 41, 4.077, 19.772

■ 71, 4.077, 19.772 ■ 31, 4.077, 19.772

■ 81, 4.077, 19.772 ■ 21, 4.077, 19.772

■ 91, 4.077, 19.772 ■ 11, 4.077, 19.772

■ 1, 4.077, 19.772

■ 0, 4.077, 19.772

■ 51, 4.077, 19.772 ■ 51, 4.077, 19.772

■ 47, 9.703, 20.581 ■ 55, 1.144, 199.663

■ 43, 15.747, 21.539 ■ 59, 5.985, 198.924

40, 22.191, 22.764

63, 10.482,
198.529

36, 28.973, 24.348

67, 14.672,
198.222

33, 35.975, 26.389

31, 43.017, 28.973

71, 18.589,
197.975

28, 49.851, 32.105

75, 22.268,
197.772

27, 56.096, 35.548

26, 60.783, 38.012

79, 25.738,
197.604

83, 29.025,
197.463

87, 32.150,
197.345

Harmonies

Complementary

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



51, 4.077, 19.772



53, 3.890, 199.121

Rectangle

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



51, 4.077, 19.772



51, 4.077, 69.772



51, 4.077, 199.772



51, 4.077, 249.772

Sweetspot

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



51, 4.076, 19.791



68, 1.280, 19.165



51, 7.079, 324.823



35, 0.724, 19.128



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 4.076, 19.791



65, 5.914, 19.904



52, 3.523, 74.442



25, 2.950, 19.894



25, 61.098, 38.352



0, 0.000, 0.000

Inverse Universe

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



53, 3.890, 199.121



68, 5.594, 199.030



52, 3.467, 256.446



26, 2.793, 199.038



48, 29.968, 196.423



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 4.077, 19.772 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 CIE LCh color 51, 4.077, 19.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

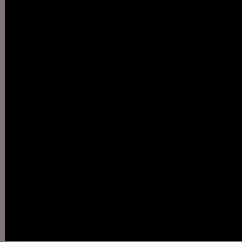
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 4.077, 19.772

Background



This preview shows how black text looks on a background with the CIELCh color 51, 4.077, 19.772.



This preview shows how white text looks on a background with the CIELCh color 51, 4.077, 19.772.

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, 4.077, 19.772

Protanopia

51, 1.336, 45.004

Deuteranopia

51, 6.649, 10.092



Tritanopia
51, 7.131, 332.883

Trichromacy



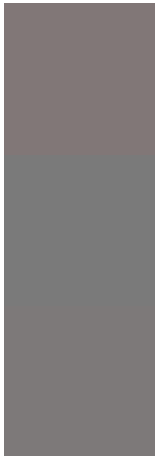
Original Color
51, 4.077, 19.772

Protanomaly
51, 2.429, 19.520

Deuteranomaly
51, 5.834, 8.554

Tritanomaly
51, 5.981, 344.342

Monochromacy



Original Color
51, 4.077, 19.772

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 1.612, 19.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 4.077, 19.772 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(129, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(129, 119, 119)  
}
```

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(129, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 4.077, 19.772 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(129, 119, 119) }
```

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

```
.border{ border-color:rgb(129, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(129, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 4.077, 19.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 119, 119) }
```

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

```
.background{ background-color: rgb(129,  
119, 119) }
```

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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