

Converting Colors

CIELCh(51, 3.169, 312.608)

Have a look what the booklet for
CIELCh(51, 3.169, 312.608) contains.

CIELCh(51, 3.169, 312.608)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 3.169, 312.608)

Conversions

Conversions Part 1

Format	Color
Hex	7B787D
RGB	123, 120, 125
RGB Percent	48%, 47%, 49%
CMY	0.5160, 0.5277, 0.5081
CMYK	0.02, 0.04, 0.00, 0.51
HSL	276°, 2%, 48%
HSV	276°, 4%, 49%
XYZ	18.7254, 19.2686, 22.2769
YIQ	121.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

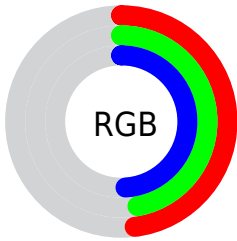
Format	Color
R_{YB}	123, 120, 125
Decimal	8091773
CIE Lab	51.00, 2.15, -2.33
CIE LCh	51, 3.169, 312.608
Yxy	19.2686, 0.3107, 0.3197
Android (android.graphics.Color)	4286281853 (0xFF7B787D)
YUV	121.4670, 1.7418, 1.3444
Hunter-Lab	43.8960, -0.6725, 0.6380

Details

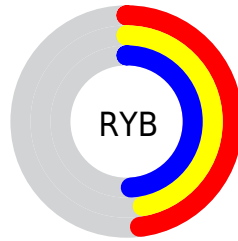
The CIELCh color **51, 3.169, 312.608** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **52, 3.143, 132.356**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 3.484, 309.182**, and **31, 2.706, 309.254** is the 20% darker color. If you saturate the color by 10%, you get **47, 11.237, 313.038**, and if you desaturate by 10%, it is **55, 4.697, 132.276**.

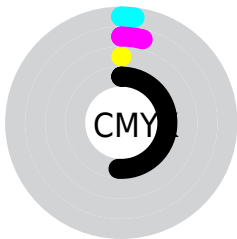
Distribution



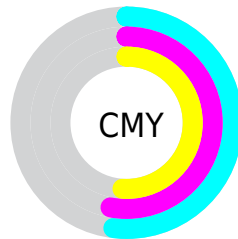
- Red (48%)
- Green (47%)
- Blue (49%)



- Red (48%)
- Yellow (47%)
- Blue (49%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (51%)



- Cyan (52%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 3.169, 312.608 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, 3.169, 312.608 by changing the saturation by 10% instead.

■ 51, 3.169, 312.608

■ 51, 3.169, 312.608

■ 100, 3.169,
312.608

■ 41, 3.169, 312.608

■ 71, 3.169, 312.608

■ 31, 3.169, 312.608

■ 81, 3.169, 312.608

■ 21, 3.169, 312.608

■ 91, 3.169, 312.608

■ 11, 3.169, 312.608

■ 1, 3.169, 312.608

■ 0, 3.169, 312.608

■ 51, 3.169, 312.608

■ 51, 3.169, 312.608

■ 47, 11.237,
313.038

■ 55, 4.697, 132.276

■ 59, 12.344,

43, 19.480,
313.477

131.912

39, 27.841,
313.924

63, 19.770,
131.592

36, 36.219,
314.363

67, 26.980,
131.305

32, 44.452,
314.766

71, 33.980,
131.051

29, 52.290,
315.089

75, 40.779,
130.825

26, 59.382,
315.274

78, 47.388,
130.627

23, 65.287,
315.248

82, 53.816,
130.453

21, 69.612,
314.942

86, 60.075,
130.301

Harmonies

Complementary

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



51, 3.169, 312.608



52, 3.143, 132.356

Rectangle

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



51, 3.169, 312.608



51, 3.169, 2.608



51, 3.169, 132.608



51, 3.169, 182.608

Sweetspot

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



51, 3.167, 312.602



67, 0.988, 312.389



51, 1.878, 264.474



34, 0.559, 312.375



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 3.167, 312.602



65, 4.932, 312.655



51, 3.354, 326.932



26, 2.727, 312.671



20, 72.881, 314.745



0, 0.000, 0.000

Inverse Universe

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



51, 2.335, 349.609



65, 3.638, 349.737



52, 3.341, 146.610



26, 2.011, 349.774



26, 50.595, 9.866



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 3.169, 312.608 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, 3.169, 312.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

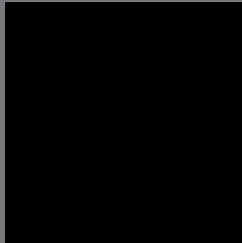
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

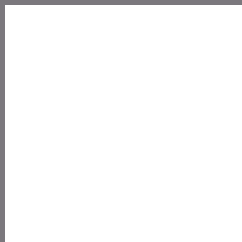
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 3.169, 312.608

Background



This preview shows how black text looks on a background with the CIELCh color 51, 3.169, 312.608.



This preview shows how white text looks on a background with the CIELCh color 51, 3.169, 312.608.

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, 3.169, 312.608

Protanopia

51, 2.951, 298.251

Deuteranopia

51, 7.012, 338.595



Tritanopia
51, 5.503, 307.406

Trichromacy



Original Color

51, 3.169, 312.608

Protanomaly

51, 3.034, 305.668

Deuteranomaly

51, 5.462, 331.701

Tritanomaly

51, 4.949, 309.315

Monochromacy



Original Color

51, 3.169, 312.608

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 1.426, 324.401

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 51, 3.169, 312.608 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(123, 120, 125)` looks like.

```
.text, #text, p{  
    color:rgb(123, 120, 125)  
}
```

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(123, 120, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 120, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 3.169, 312.608 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(123, 120, 125) }
```

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

```
.border{ border-color:rgb(123, 120, 125) }
```

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

Here you see how a box with a 4 pixel rgb(123, 120, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 120, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 120, 125);  
box-shadow:4px 4px 4px 4px rgb(123, 120,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 3.169, 312.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 120, 125) }
```

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

```
.background{ background-color: rgb(123,  
120, 125) }
```

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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