

# Converting Colors

CIELCh(51, 3.604, 303.284)

Have a look what the booklet for  
CIELCh(51, 3.604, 303.284) contains.

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# Color

**CIELCh(51, 3.599, 303.283)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B797F
RGB	123, 121, 127
RGB Percent	48%, 47%, 50%
CMY	0.5194, 0.5272, 0.5037
CMYK	0.03, 0.05, 0.00, 0.50
HSL	260°, 2%, 48%
HSV	260°, 5%, 50%
XYZ	18.6926, 19.2686, 22.6626
YIQ	122.2820, -0.7340, 2.2900

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 121, 127
Decimal	8092031
CIE Lab	51.00, 1.98, -3.01
CIE LCh	51, 3.599, 303.283
Yxy	19.2686, 0.3083, 0.3178
Android (android.graphics.Color)	4286282111 (0xFF7B797F)
YUV	122.2820, 2.3260, 0.6297
Hunter-Lab	43.8960, -0.8061, 0.1170

# Details

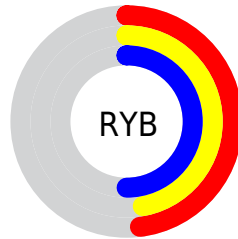
The CIELCh color **51, 3.599, 303.283** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **53, 3.557, 122.809**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 3.909, 301.479**, and **31, 3.219, 298.393** is the 20% darker color. If you saturate the color by 10%, you get **47, 11.369, 303.854**, and if you desaturate by 10%, it is **55, 3.918, 122.793**.

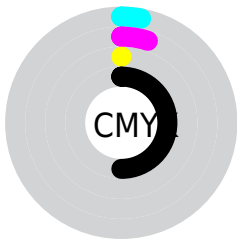
# Distribution



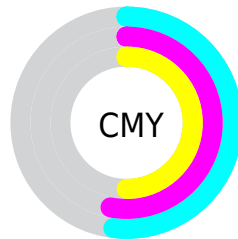
- Red (48%)
- Green (47%)
- Blue (50%)



- Red (48%)
- Yellow (47%)
- Blue (50%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (52%)
- Magenta (53%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 3.599, 303.283 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 51, 3.599, 303.283 by changing the saturation by 10% instead.



■ 51, 3.599, 303.283

■ 51, 3.599, 303.283

■ 100, 3.599,  
303.283

■ 41, 3.599, 303.283

■ 71, 3.599, 303.283

■ 31, 3.599, 303.283

■ 81, 3.599, 303.283

■ 21, 3.599, 303.283

■ 91, 3.599, 303.283

■ 11, 3.599, 303.283

■ 1, 3.599, 303.283

■ 0, 3.599, 303.283

■ 51, 3.599, 303.283

■ 51, 3.599, 303.283

■ 47, 11.369,  
303.854

■ 55, 3.918, 122.793

■ 59, 11.184,

42, 19.398,  
304.498

122.345

38, 27.668,  
305.209

64, 18.212,  
121.958

34, 36.136,  
305.980

68, 25.015,  
121.624

30, 44.703,  
306.785

72, 31.606,  
121.334

26, 53.176,  
307.579

76, 37.997,  
121.085

22, 61.209,  
308.283

80, 44.201,  
120.870

19, 68.254,  
308.776

84, 50.229,  
120.686

17, 73.710,  
308.942

88, 56.091,  
120.530

# Harmonies

# Complementary

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



51, 3.599, 303.283



53, 3.557, 122.809

# Rectangle

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



51, 3.599, 303.283



51, 3.599, 353.283



51, 3.599, 123.283



51, 3.599, 173.283

# Sweetspot

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



51, 3.598, 303.275



67, 0.948, 303.036



52, 1.938, 234.159



35, 0.543, 303.029



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, 3.598, 303.275



65, 5.694, 303.354



51, 4.019, 319.472



25, 3.022, 303.367



16, 76.929, 309.091



0, 0.000, 0.000





# Inverse Universe

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



51, 3.361, 335.898



65, 5.314, 336.010



52, 4.000, 139.140



26, 2.820, 336.028



27, 54.442, 346.606



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 51, 3.599, 303.283 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, 3.599, 303.283 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

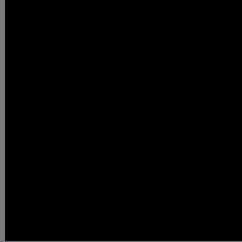
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

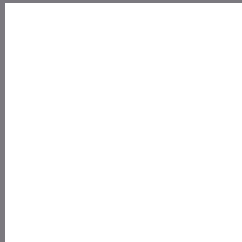
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 51, 3.599, 303.283

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 3.599, 303.283.



This preview shows how white text looks on a background with the CIELCh color 51, 3.599, 303.283.

# 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

51, 3.599, 303.283

### Protanopia

51, 3.529, 297.037

### Deuteranopia

51, 7.407, 335.222



**Tritanopia**  
51, 5.971, 302.229



# Trichromacy



## Original Color

51, 3.599, 303.283

## Protanomaly

51, 3.529, 297.037

## Deuteranomaly

51, 5.909, 327.968

## Tritanomaly

51, 5.401, 303.410

# Monochromacy



## Original Color

51, 3.599, 303.283

## Achromatopsia

51, 0.007, 296.813

## Achromatomaly

51, 1.804, 303.149

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 3.599, 303.283 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(123, 121, 127)` looks like.

```
.text, #text, p{  
    color:rgb(123, 121, 127)  
}
```

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, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 3.599, 303.283 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(123, 121, 127) }
```

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

```
.border{ border-color:rgb(123, 121, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 121, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 3.599, 303.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 121, 127) }
```

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

```
.background{ background-color: rgb(123,  
121, 127) }
```

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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