

# Converting Colors

CIELCh(51, 3.988, 343.865)

Have a look what the booklet for  
CIELCh(51, 3.988, 343.865) contains.

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# Color

**CIELCh(51, 3.991, 344.076)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F777B
RGB	127, 119, 123
RGB Percent	50%, 47%, 48%
CMY	0.5004, 0.5318, 0.5161
CMYK	0.00, 0.06, 0.03, 0.50
HSL	330°, 3%, 48%
HSV	330°, 6%, 50%
XYZ	19.0541, 19.2686, 21.5825
YIQ	121.8480, 3.4840, 2.9400

# Conversions

## Conversions Part 2

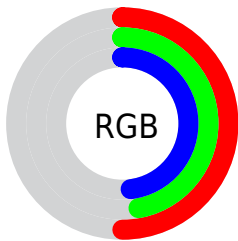
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 119, 123
Decimal	8353659
CIE <sub>Lab</sub>	51.00, 3.84, -1.09
CIE <sub>LCh</sub>	51, 3.991, 344.076
Yxy	19.2686, 0.3181, 0.3217
Android (android.graphics.Color)	4286543739 (0xFF7F777B)
YUV	121.8480, 0.5679, 4.5183
Hunter-Lab	43.8960, 0.6642, 1.5759

# Details

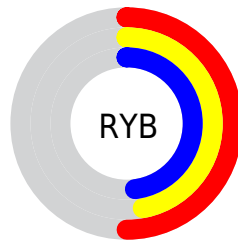
The CIELCh color  $51, 3.991, 344.076$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $53, 3.952, 163.237$ , and the grayscale version is  $51, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 4.053, 347.085$ , and  $31, 3.639, 348.345$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 10.455, 344.980$ , and if you desaturate by 10%, it is  $55, 2.320, 163.508$ .

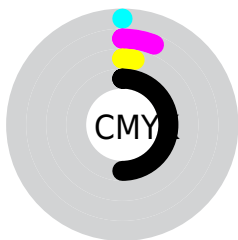
# Distribution



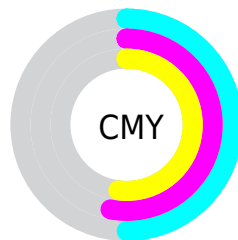
- Red (50%)
- Green (47%)
- Blue (48%)



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



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (50%)



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

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 3.991, 344.076 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, 3.991, 344.076 by changing the saturation by 10% instead.



■ 51, 3.991, 344.076

■ 51, 3.991, 344.076

■ 100, 3.991,  
344.076

■ 41, 3.991, 344.076

■ 71, 3.991, 344.076

■ 31, 3.991, 344.076

■ 81, 3.991, 344.076

■ 21, 3.991, 344.076

■ 91, 3.991, 344.076

■ 11, 3.991, 344.076

■ 1, 3.991, 344.076

■ 0, 3.991, 344.076

■ 51, 3.991, 344.076

■ 51, 3.991, 344.076

■ 47, 10.455,  
344.980

■ 55, 2.320, 163.508

■ 59, 8.439, 162.707

44, 17.012,  
345.937

62, 14.354,  
162.038

40, 23.555,  
347.008

66, 20.063,  
161.427

37, 29.918,  
348.234

70, 25.573,  
160.861

34, 35.874,  
349.667

74, 30.894,  
160.335

32, 41.135,  
351.386

78, 36.040,  
159.844

30, 45.390,  
353.494

82, 41.023,  
159.385

28, 48.381,  
356.127

85, 45.856,  
158.955

27, 50.159,  
359.348

# Harmonies

# Complementary

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



51, 3.991, 344.076



53, 3.952, 163.237

# Rectangle

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



51, 3.991, 344.076



51, 3.991, 34.076



51, 3.991, 164.076



51, 3.991, 214.076

# Sweetspot

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



51, 3.989, 344.083



67, 1.570, 343.595



51, 4.955, 309.317



35, 0.900, 343.567



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, 3.989, 344.083



64, 6.314, 344.256



51, 3.252, 19.654



25, 3.593, 344.338



26, 50.836, 0.563



0, 0.000, 0.000





# Inverse Universe

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



51, 3.989, 344.083



64, 6.314, 344.256



53, 3.132, 199.200



25, 3.593, 344.338



26, 50.836, 0.563



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 51, 3.991, 344.076 looks on a white background.

## Color Contrast Check

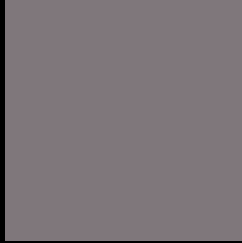
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.991, 344.076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

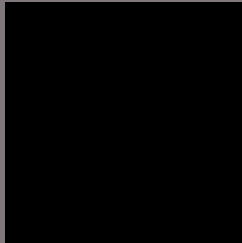
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 3.991, 344.076

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 3.991, 344.076.



This preview shows how white text looks on a background with the CIELCh color 51, 3.991, 344.076.

# 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

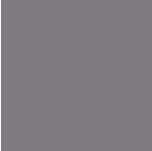
51, 3.991, 344.076

### Protanopia

51, 1.935, 314.702

### Deuteranopia

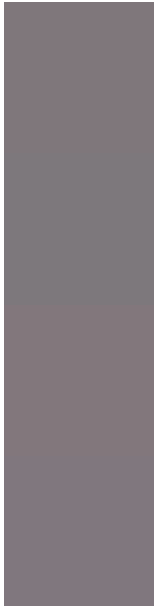
51, 6.656, 348.554



**Tritanopia**  
51, 6.378, 324.782



# Trichromacy



## Original Color

51, 3.991, 344.076

## Protanomaly

51, 3.091, 330.694

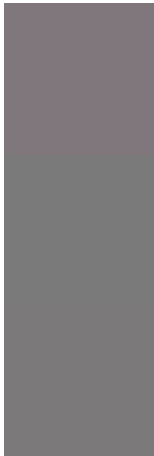
## Deuteranomaly

51, 5.316, 346.822

## Tritanomaly

51, 5.462, 331.701

# Monochromacy



## Original Color

51, 3.991, 344.076

## Achromatopsia

51, 0.007, 296.813

## Achromatomaly

51, 1.687, 335.681

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 3.991, 344.076 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(127, 119, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 119, 123)  
}
```

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(127, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 119, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 3.991, 344.076 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(127, 119, 123) }
```

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

```
.border{ border-color:rgb(127, 119, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 119, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 119,  
123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 3.991, 344.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 119, 123) }
```

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

```
.background{ background-color: rgb(127,  
119, 123) }
```

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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