

# Converting Colors

CIELCh(51, 11.277, 358.729)

Have a look what the booklet for  
CIELCh(51, 11.277, 358.729)  
contains.

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**Color**

**CIELCh(51, 10.993, 359.074)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C737A
RGB	140, 115, 122
RGB Percent	55%, 45%, 48%
CMY	0.4507, 0.5487, 0.5213
CMYK	0.00, 0.18, 0.13, 0.45
HSL	343°, 10%, 50%
HSV	343°, 18%, 55%
XYZ	20.4860, 19.2686, 21.0772
YIQ	123.2730, 12.6530, 7.4770

# Conversions

## Conversions Part 2

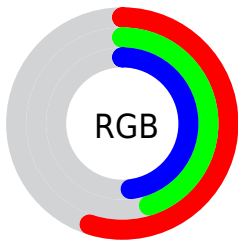
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 115, 122
Decimal	9204602
CIE Lab	51.00, 10.99, -0.18
CIE LCh	51, 10.993, 359.074
Yxy	19.2686, 0.3368, 0.3168
Android (android.graphics.Color)	4287394682 (0xFF8C737A)
YUV	123.2730, -0.6276, 14.6696
Hunter-Lab	43.8960, 6.4867, 2.2584

# Details

The CIELCh color **51, 10.993, 359.074** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **56, 10.420, 175.770**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 11.002, 0.165**, and **31, 10.992, 1.211** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.458, 0.290**, and if you desaturate by 10%, it is **55, 4.735, 358.005**.

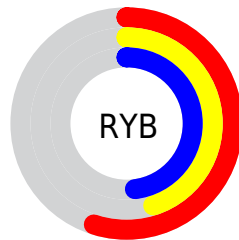
# Distribution



Red (55%)

Green (45%)

Blue (48%)



Red (55%)

Yellow (45%)

Blue (48%)

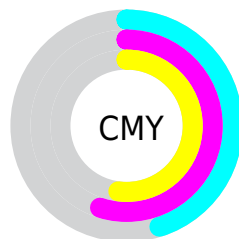


Cyan (0%)

Magenta (18%)

Yellow (13%)

Black (45%)



Cyan (45%)

Magenta (55%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 10.993, 359.074 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, 10.993, 359.074 by changing the saturation by 10% instead.





 51, 10.993,  
359.074


 51, 10.993,  
359.074


 100, 10.993,  
359.074


 41, 10.993,  
359.074


 71, 10.993,  
359.074

 31, 10.993,  
359.074

 81, 10.993,  
359.074

 21, 10.993,  
359.074

 91, 10.993,  
359.074

 11, 10.993,  
359.074

 1, 10.993, 359.074

 0, 10.993, 359.074

51, 10.993,  
359.074

51, 10.993,  
359.074

47, 17.458, 0.290

55, 4.735, 358.005

43, 24.048, 1.715

59, 1.266, 177.480

40, 30.616, 3.435

63, 6.997, 176.445

37, 36.953, 5.550

68, 12.459,  
175.712

34, 42.795, 8.195

72, 17.667,  
175.063

32, 47.877, 11.524

30, 52.032, 15.674

76, 22.637,  
174.476

29, 55.479, 20.498

80, 27.389,  
173.941

29, 56.266, 21.492

84, 31.944,  
173.451

■ 89, 36.321,  
172.998

# Harmonies

# Complementary

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



51, 10.993, 359.074



56, 10.420, 175.770

# Rectangle

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



51, 10.993, 359.074



51, 10.993, 49.074



51, 10.993, 179.074



51, 10.993, 229.074

# Sweetspot

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



51, 10.991, 359.079



71, 3.699, 357.704



51, 16.202, 316.986



37, 2.547, 357.775



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, 10.991, 359.079



63, 16.055, 359.494



52, 8.780, 40.979



27, 3.367, 358.141



27, 53.976, 21.169



0, 1.534, 357.363



# Inverse Universe

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



51, 10.991, 359.079



63, 16.055, 359.494



55, 7.859, 222.217



27, 3.367, 358.141



27, 53.976, 21.169



0, 1.534, 357.363



# Previews

## White Background



This preview shows how the CIELCh color 51, 10.993, 359.074 looks on a white background.

## Color Contrast Check

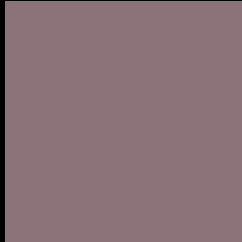
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.993, 359.074 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, 10.993, 359.074

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.993, 359.074.



This preview shows how white text looks on a background with the CIELCh color 51, 10.993, 359.074.

# 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, 10.993, 359.074

### Protanopia

51, 3.034, 305.668

### Deuteranopia

51, 6.530, 359.305





**Tritanopia**  
51, 11.423, 353.602

# Trichromacy



**Original Color**  
51, 10.993, 359.074

**Protanomaly**  
51, 5.340, 339.141

**Deuteranomaly**  
51, 8.273, 359.846

**Tritanomaly**  
51, 11.195, 356.284

# Monochromacy



**Original Color**  
51, 10.993, 359.074

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 4.039, 354.230

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 10.993, 359.074 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(140, 115, 122)` looks like.

```
.text, #text, p{  
    color:rgb(140, 115, 122)  
}
```

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(140, 115, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 115, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 10.993, 359.074 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(140, 115, 122) }
```

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

```
.border{ border-color:rgb(140, 115, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 115, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 115, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 115, 122);  
box-shadow:4px 4px 4px 4px rgb(140, 115,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 10.993, 359.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 115, 122) }
```

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

```
.background{ background-color: rgb(140,  
115, 122) }
```

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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