

# Converting Colors

CIE LCh(51, 11.158, 183.156)

Have a look what the booklet for  
CIELCh(51, 11.158, 183.156)  
contains.

<b>CIELCh(51, 11.153, 183.041)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(51, 11.153, 183.041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	637F7A
RGB	99, 127, 122
RGB Percent	39%, 50%, 48%
CMY	0.6114, 0.5016, 0.5212
CMYK	0.22, 0.00, 0.04, 0.50
HSL	169°, 12%, 44%
HSV	169°, 22%, 50%
XYZ	16.2760, 19.2686, 21.3043
YIQ	118.0580, -15.0830, -7.4910

# Conversions

## Conversions Part 2

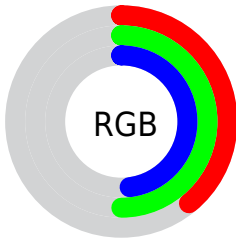
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 114, 127
Decimal	6520698
CIE <sub>Lab</sub>	51.00, -11.14, -0.59
CIE <sub>LCh</sub>	51, 11.153, 183.041
Yxy	19.2686, 0.2863, 0.3389
Android (android.graphics.Color)	4284710778 (0xFF637F7A)
<b>YUV</b>	118.0580, 1.9434, -16.7139
Hunter-Lab	43.8960, -10.6327, 1.9517

# Details

The CIELCh color **51, 11.153, 183.041** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **45, 12.220, 7.023**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 11.431, 181.802**, and **31, 11.480, 181.522** is the 20% darker color. If you saturate the color by 10%, you get **50, 15.855, 182.105**, and if you desaturate by 10%, it is **52, 6.197, 183.941**.

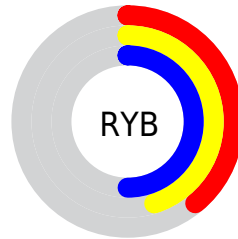
# Distribution



Red (39%)

Green (50%)

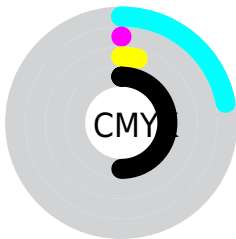
Blue (48%)



Red (39%)

Yellow (45%)

Blue (50%)

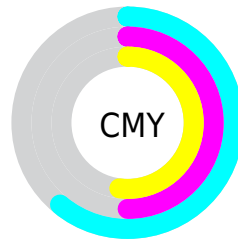


Cyan (22%)

Magenta (0%)

Yellow (4%)

Black (50%)



Cyan (61%)

Magenta (50%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 11.153, 183.041 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, 11.153, 183.041 by changing the saturation by 10% instead.





 51, 11.153,  
183.041


 51, 11.153,  
183.041


 100, 11.153,  
183.041


 41, 11.153,  
183.041


 71, 11.153,  
183.041

 31, 11.153,  
183.041

 81, 11.153,  
183.041

 21, 11.153,  
183.041

 91, 11.153,  
183.041

 11, 11.153,  
183.041

 1, 11.153, 183.041

 0, 11.153, 183.041

■ 51, 11.153,  
183.041

■ 51, 11.153,  
183.041

■ 50, 15.855,  
182.105

■ 52, 6.197, 183.941

■ 49, 20.219,  
181.125

■ 53, 1.058, 185.073

■ 54, 4.196, 5.448

■ 49, 24.166,  
180.079

■ 55, 9.511, 6.283

■ 48, 27.624,  
178.951

■ 57, 14.841, 7.059

■ 58, 20.152, 7.806

■ 48, 30.537,  
177.719

■ 60, 25.418, 8.529

■ 48, 32.876,  
176.365

■ 61, 30.619, 9.231

■ 63, 35.743, 9.911

■ 47, 34.652,  
174.869

■ 47, 35.863,

173.659

# Harmonies

# Complementary

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



51, 11.153, 183.041



45, 12.220, 7.023

# Rectangle

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



51, 11.153, 183.041



51, 11.153, 233.041



51, 11.153, 3.041



51, 11.153, 53.041

# Sweetspot

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



51, 11.154, 183.037



67, 4.508, 184.395



51, 18.825, 138.237



35, 2.950, 184.352



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, 11.154, 183.037



65, 16.197, 182.615



49, 8.731, 235.673



26, 2.922, 184.210



47, 35.948, 173.653



0, 0.000, 0.000



# Inverse Universe

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



45, 12.220, 7.023



56, 18.115, 7.588



47, 9.823, 52.127



25, 3.031, 5.620



26, 55.450, 29.161



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 51, 11.153, 183.041 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, 11.153, 183.041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

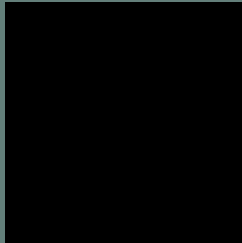
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 11.153, 183.041

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 11.153, 183.041.



This preview shows how white text looks on a background with the CIELCh color 51, 11.153, 183.041.

# 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, 11.153, 183.041

**Protanopia**  
51, 2.114, 74.738

**Deuteranopia**  
51, 6.980, 344.472





**Tritanopia**  
51, 10.101, 234.133

# Trichromacy



**Original Color**  
51, 11.153, 183.041

**Protanomaly**  
51, 3.976, 163.210

**Deuteranomaly**  
51, 1.404, 255.984

**Tritanomaly**  
51, 9.544, 212.719

# Monochromacy



**Original Color**  
51, 11.153, 183.041

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 4.147, 182.635

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 11.153, 183.041 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(99, 127, 122)` looks like.

```
.text, #text, p{  
    color:rgb(99, 127, 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(99, 127, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 127, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 11.153, 183.041 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(99, 127, 122) }
```

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

```
.border{ border-color:rgb(99, 127, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 127, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 127, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 127, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 127,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 11.153, 183.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 127, 122) }
```

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

```
.background{ background-color: rgb(99, 127,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor