

# Converting Colors

CIELCh(63, 11.223, 350.735)

Have a look what the booklet for  
CIELCh(63, 11.223, 350.735)  
contains.

<b>CIELCh(63, 11.210, 350.727)</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(63, 11.210, 350.727)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB929C
RGB	171, 146, 156
RGB Percent	67%, 57%, 61%
CMY	0.3297, 0.4277, 0.3885
CMYK	0.00, 0.15, 0.09, 0.33
HSL	336°, 13%, 62%
HSV	336°, 15%, 67%
XYZ	33.0448, 31.5869, 35.7794
YIQ	154.6150, 11.6900, 8.4100

# Conversions

## Conversions Part 2

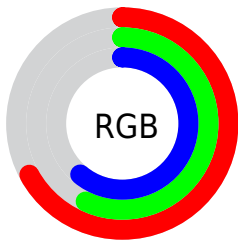
Format	Color
<a href="#">RYB</a>	<a href="#">171, 146, 156</a>
Decimal	<a href="#">11244188</a>
CIELab	<a href="#">63.00, 11.06, -1.81</a>
CIElCh	<a href="#">63, 11.210, 350.727</a>
Yxy	<a href="#">31.5869, 0.3291, 0.3146</a>
Android (android.graphics.Color)	<a href="#">4289434268</a> ( <a href="#">0xFFAB929C</a> )
YUV	<a href="#">154.6150, 0.6828, 14.3696</a>
Hunter-Lab	<a href="#">56.2022, 6.5975, 1.5965</a>

# Details

The CIELCh color  $63, 11.210, 350.727$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 10.896, 168.140$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 10.921, 351.399$ , and  $43, 11.682, 350.205$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 19.113, 351.818$ , and if you desaturate by 10%, it is  $68, 3.490, 349.709$ .

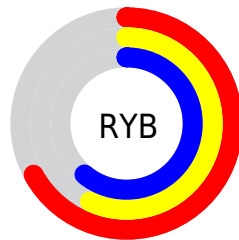
# Distribution



Red (67%)

Green (57%)

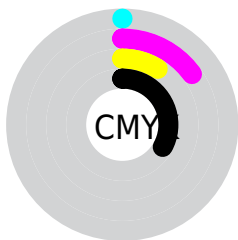
Blue (61%)



Red (67%)

Yellow (57%)

Blue (61%)

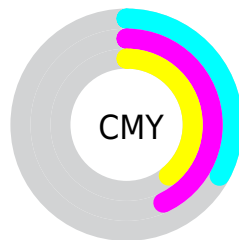


Cyan (0%)

Magenta (15%)

Yellow (9%)

Black (33%)



Cyan (33%)

Magenta (43%)


Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 11.210, 350.727 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 63, 11.210, 350.727 by changing the saturation by 10% instead.





 63, 11.210,  
350.727


 63, 11.210,  
350.727


 100, 11.210,  
350.727


 53, 11.210,  
350.727


 83, 11.210,  
350.727

 43, 11.210,  
350.727

 93, 11.210,  
350.727

 33, 11.210,  
350.727

 23, 11.210,  
350.727

 13, 11.210,  
350.727

 3, 11.210, 350.727

 0, 11.210, 350.727

63, 11.210,  
350.727

63, 11.210,  
350.727

58, 19.113,  
351.818

68, 3.490, 349.709

54, 27.089,  
353.060

73, 3.976, 169.078

50, 34.947,  
354.519

77, 11.163,  
168.253

46, 42.413,  
356.272

82, 18.066,  
167.547

43, 49.134,  
358.430

87, 24.692,  
166.908

40, 54.726, 1.136

92, 31.057,  
166.322

38, 58.891, 4.562

94, 31.533,  
170.954

37, 61.581, 8.857

94, 28.985,  
179.940

■ 36, 62.809, 11.345

■ 95, 27.189,  
190.334

# Harmonies

# Complementary

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



63, 11.210, 350.727



68, 10.896, 168.140

# Rectangle

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



63, 11.210, 350.727



63, 11.210, 40.727



63, 11.210, 170.727



63, 11.210, 220.727

# Sweetspot

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



63, 11.208, 350.731



86, 3.731, 349.645



63, 15.149, 313.088



46, 2.676, 349.730



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



63, 11.208, 350.731



78, 17.143, 351.118



63, 9.069, 28.977



34, 4.355, 350.195



31, 57.126, 10.753



2, 8.680, 354.166



# Inverse Universe

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



63, 11.208, 350.731



78, 17.143, 351.118



67, 8.244, 208.447



34, 4.355, 350.195



31, 57.126, 10.753

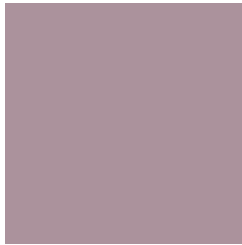


2, 8.680, 354.166



# Previews

## White Background



This preview shows how the CIELCh color 63, 11.210, 350.727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 11.210, 350.727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

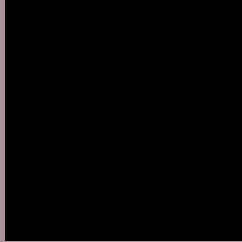
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 11.210, 350.727

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 11.210, 350.727.



This preview shows how white text looks on a background with the CIELCh color 63, 11.210, 350.727.

# 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

63, 11.210, 350.727

### Protanopia

63, 3.944, 296.111

### Deuteranopia

63, 8.294, 347.655





**Tritanopia**  
63, 11.481, 348.288

# Trichromacy



**Original Color**  
63, 11.210, 350.727

**Protanomaly**  
63, 5.918, 330.863

**Deuteranomaly**  
63, 9.581, 348.761

**Tritanomaly**  
63, 11.481, 348.288

# Monochromacy



**Original Color**  
63, 11.210, 350.727

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 3.870, 354.094

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 11.210, 350.727 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(171, 146, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 146, 156)  
}
```

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(171, 146, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 146, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 11.210, 350.727 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(171, 146, 156) }
```

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

```
.border{ border-color:rgb(171, 146, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 146, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 146, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 146, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 146,  
156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 11.210, 350.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 146, 156) }
```

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

```
.background{ background-color: rgb(171,  
146, 156) }
```

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