

# Converting Colors

CIELCh(65, 11.124, 150.162)

Have a look what the booklet for  
CIELCh(65, 11.124, 150.162)  
contains.

<b>CIELCh(65, 11.124, 150.162)</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(65, 11.124, 150.162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90A394
RGB	144, 163, 148
RGB Percent	56%, 64%, 58%
CMY	0.4370, 0.3625, 0.4213
CMYK	0.12, 0.00, 0.09, 0.36
HSL	133°, 9%, 60%
HSV	133°, 12%, 64%
XYZ	29.7512, 34.0472, 32.8364
YIQ	155.6090, -6.5090, -8.6930

# Conversions

## Conversions Part 2

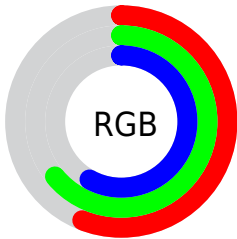
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 160, 163
Decimal	9479060
CIELab	65.00, -9.65, 5.53
CIELCh	65, 11.124, 150.162
Yxy	34.0472, 0.3079, 0.3523
Android (android.graphics.Color)	4287669140 (0xFF90A394)
YUV	155.6090, -3.7512, -10.1811
Hunter-Lab	58.3500, -11.0998, 7.4796

# Details

The CIELCh color  $65, 11.124, 150.162$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $62, 11.164, 331.598$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 11.163, 149.961$ , and  $45, 10.953, 148.773$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 20.714, 149.387$ , and if you desaturate by 10%, it is  $67, 1.588, 150.966$ .

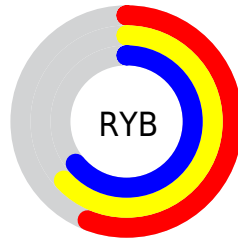
# Distribution



Red (56%)

Green (64%)

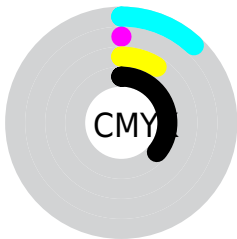
Blue (58%)



Red (56%)

Yellow (63%)

Blue (64%)

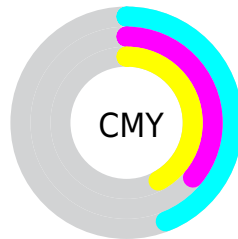


Cyan (12%)

Magenta (0%)

Yellow (9%)

Black (36%)



Cyan (44%)

Magenta (36%)


Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 11.124, 150.162 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 65, 11.124, 150.162 by changing the saturation by 10% instead.





 65, 11.124,  
150.162


 65, 11.124,  
150.162


 100, 11.124,  
150.162


 55, 11.124,  
150.162


 85, 11.124,  
150.162

 45, 11.124,  
150.162

 95, 11.124,  
150.162

 35, 11.124,  
150.162

 25, 11.124,  
150.162

 15, 11.124,  
150.162

 5, 11.124, 150.162

 0, 11.124, 150.162

65, 11.124,  
150.162

65, 11.124,  
150.162

64, 20.714,  
149.387

67, 1.588, 150.966

62, 30.232,  
148.501

68, 7.808, 331.337

61, 39.530,  
147.478

70, 16.999,  
331.858

60, 48.428,  
146.304

72, 25.942,  
332.304

60, 56.729,  
144.970

74, 34.613,  
332.697

59, 64.231,  
143.484

76, 43.000,  
333.045

59, 70.742,  
141.878


78, 50.640,  
332.557

58, 76.096,

79, 55.650,  
327.901

140.220

 79, 57.610,  
326.406

 58, 79.681,  
138.962

# Harmonies

# Complementary

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



65, 11.124, 150.162



62, 11.164, 331.598

# Rectangle

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



65, 11.124, 150.162



65, 11.124, 200.162



65, 11.124, 330.162



65, 11.124, 20.162

# Sweetspot

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



65, 11.126, 150.161



84, 4.695, 150.717



66, 10.580, 117.219



45, 3.366, 150.660



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



65, 11.126, 150.161



82, 16.546, 149.971



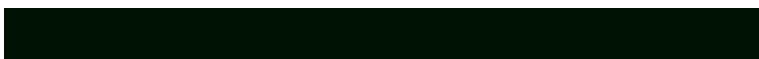
65, 7.844, 174.949



34, 5.396, 150.336



52, 73.116, 139.131



4, 8.493, 150.210



# Inverse Universe

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



62, 11.164, 331.598



77, 16.607, 331.766



61, 8.106, 357.016



32, 5.414, 331.440



32, 64.781, 338.562

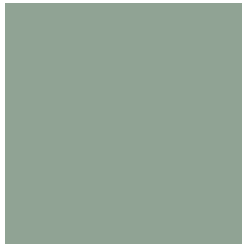


1, 8.081, 332.715



# Previews

## White Background



This preview shows how the CIELCh color 65, 11.124, 150.162 looks on a white background.

## Color Contrast Check

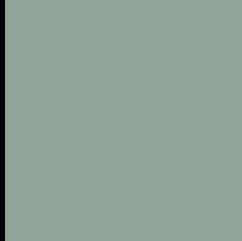
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 65, 11.124, 150.162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

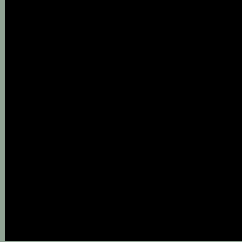
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

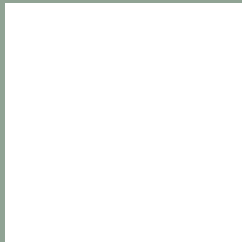
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 11.124, 150.162

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 11.124, 150.162.



This preview shows how white text looks on a background with the CIELCh color 65, 11.124, 150.162.

# 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**  
65, 11.124, 150.162

**Protanopia**  
65, 7.045, 89.750

**Deuteranopia**  
65, 9.579, 26.849





**Tritanopia**  
65, 8.167, 261.724

# Trichromacy



**Original Color**  
65, 11.124, 150.162

**Protanomaly**  
65, 7.298, 118.667

**Deuteranomaly**  
65, 4.977, 70.607

**Tritanomaly**  
65, 5.410, 217.052

# Monochromacy



**Original Color**  
65, 11.124, 150.162

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 4.304, 148.407

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 11.124, 150.162 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(144, 163, 148)` looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 148)  
}
```

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(144, 163, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 163, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 11.124, 150.162 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(144, 163, 148) }
```

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

```
.border{ border-color:rgb(144, 163, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 163, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 163, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 163, 148);  
box-shadow:4px 4px 4px 4px rgb(144, 163,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 11.124, 150.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 163, 148) }
```

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

```
.background{ background-color: rgb(144,  
163, 148) }
```

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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