

# Converting Colors

CIELCh(64, 11.093, 145.143)

Have a look what the booklet for  
CIELCh(64, 11.093, 145.143)  
contains.

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# Color

**CIELCh(64, 11.118, 145.450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FA090
RGB	143, 160, 144
RGB Percent	56%, 63%, 56%
CMY	0.4408, 0.3742, 0.4369
CMYK	0.11, 0.00, 0.10, 0.37
HSL	124°, 8%, 59%
HSV	124°, 11%, 63%
XYZ	28.7586, 32.8017, 31.0379
YIQ	153.0930, -4.9960, -8.5800

# Conversions

## Conversions Part 2

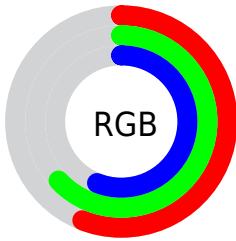
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 159, 160
Decimal	9412752
CIELab	64.00, -9.16, 6.31
CIELCh	64, 11.118, 145.450
Yxy	32.8017, 0.3106, 0.3542
Android (android.graphics.Color)	4287602832 (0xFF8FA090)
YUV	153.0930, -4.4828, -8.8516
Hunter-Lab	57.2727, -10.5964, 7.9598

# Details

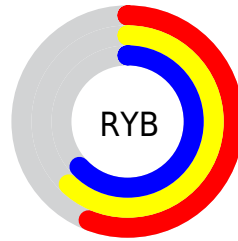
The CIELCh color **64, 11.118, 145.450** is a light color, and the websafe version is hex **999999**. A complement of this color would be **61, 11.138, 326.628**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 11.153, 145.494**, and **44, 11.209, 145.315** is the 20% darker color. If you saturate the color by 10%, you get **63, 21.652, 144.742**, and if you desaturate by 10%, it is **66, 0.666, 146.371**.

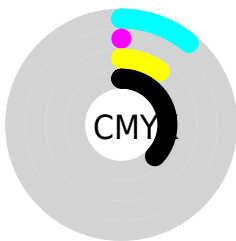
# Distribution



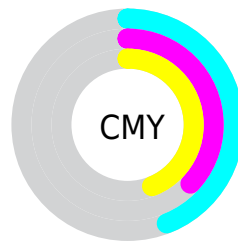
- Red (56%)
- Green (63%)
- Blue (56%)



- Red (56%)
- Yellow (62%)
- Blue (63%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (37%)




- Cyan (44%)
- Magenta (37%)
- Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.118, 145.450 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 64, 11.118, 145.450 by changing the saturation by 10% instead.





 64, 11.118,  
145.450


 64, 11.118,  
145.450


 100, 11.118,  
145.450


 54, 11.118,  
145.450


 84, 11.118,  
145.450

 44, 11.118,  
145.450


 94, 11.118,  
145.450

 34, 11.118,  
145.450

 24, 11.118,  
145.450

 14, 11.118,  
145.450

 4, 11.118, 145.450

 0, 11.118, 145.450

64, 11.118,  
145.450

64, 11.118,  
145.450

63, 21.652,  
144.742

66, 0.666, 146.371

61, 32.123,  
143.924

67, 9.609, 326.510

60, 42.351,  
142.982

69, 19.638,  
326.956

59, 52.106,  
141.914

71, 29.379,  
327.332

58, 61.113,  
140.738

73, 38.809,  
327.653

58, 69.056,  
139.502

76, 47.920,  
327.931

57, 75.589,  
138.293

78, 56.715,  
328.171

57, 80.386,

78, 59.385,  
326.465

137.235

 57, 83.219,  
136.583

# Harmonies

# Complementary

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



64, 11.118, 145.450



61, 11.138, 326.628

# Rectangle

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



64, 11.118, 145.450



64, 11.118, 195.450



64, 11.118, 325.450



64, 11.118, 15.450

# Sweetspot

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



64, 11.120, 145.450



82, 3.838, 145.963



65, 9.397, 111.222



44, 2.936, 145.903



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



64, 11.120, 145.450



80, 16.773, 145.275



64, 7.779, 165.573



33, 5.854, 145.543



51, 76.570, 136.662



3, 7.645, 145.976



# Inverse Universe

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



61, 11.138, 326.628



76, 16.797, 326.776



61, 7.913, 347.308



31, 5.864, 326.546



33, 71.727, 330.668



1, 7.561, 326.442



# Previews

## White Background



This preview shows how the CIELCh color 64, 11.118, 145.450 looks on a white background.

## Color Contrast Check

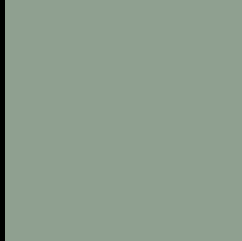
Large Text (above 18pt) WCAG AA × Fail

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 64, 11.118, 145.450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

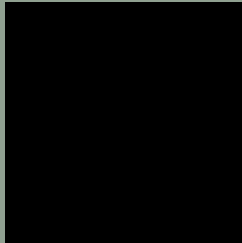
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

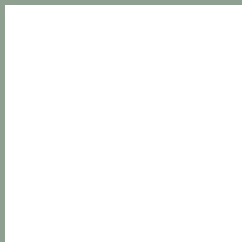
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 11.118, 145.450

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.118, 145.450.



This preview shows how white text looks on a background with the CIELCh color 64, 11.118, 145.450.

# 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

64, 11.118, 145.450

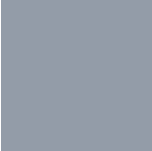
### Protanopia

64, 7.733, 88.215

### Deuteranopia

64, 9.449, 33.729





**Tritanopia**  
64, 7.389, 264.457

# Trichromacy



**Original Color**  
64, 11.118, 145.450

**Protanomaly**  
64, 7.817, 115.124

**Deuteranomaly**  
64, 5.685, 70.899

**Tritanomaly**  
64, 4.597, 213.186

# Monochromacy



**Original Color**  
64, 11.118, 145.450

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 3.637, 149.229

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 11.118, 145.450 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(143, 160, 144)` looks like.

```
.text, #text, p{  
    color:rgb(143, 160, 144)  
}
```

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(143, 160, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 160, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 11.118, 145.450 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(143, 160, 144) }
```

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

```
.border{ border-color:rgb(143, 160, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 160, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 160, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 160, 144);  
box-shadow:4px 4px 4px 4px rgb(143, 160,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 11.118, 145.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 160, 144) }
```

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

```
.background{ background-color: rgb(143,  
160, 144) }
```

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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