

# Converting Colors

CIELCh(64, 11.198, 253.436)

Have a look what the booklet for  
CIELCh(64, 11.198, 253.436)  
contains.

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# Color

**CIELCh(64, 11.216, 251.961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8A9EAE
RGB	138, 158, 174
RGB Percent	54%, 62%, 68%
CMY	0.4597, 0.3813, 0.3186
CMYK	0.21, 0.09, 0.00, 0.32
HSL	207°, 18%, 61%
HSV	207°, 21%, 68%
XYZ	30.2444, 32.8017, 44.6569
YIQ	153.8440, -17.0560, 0.7360

# Conversions

## Conversions Part 2

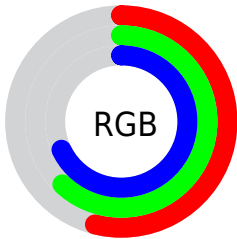
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 151, 174
Decimal	9084590
CIE <sub>Lab</sub>	64.00, -3.47, -10.66
CIE <sub>LCh</sub>	64, 11.216, 251.961
Yxy	32.8017, 0.2808, 0.3046
Android (android.graphics.Color)	4287274670 (0xFF8A9EAE)
YUV	153.8440, 9.9369, -13.8952
Hunter-Lab	57.2727, -5.9656, -6.1389

# Details

The CIELCh color `64, 11.216, 251.961` is a light color, and the websafe version is hex `999999`. A complement of this color would be `65, 12.067, 66.826`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 10.916, 249.874`, and `44, 11.397, 251.214` is the 20% darker color. If you saturate the color by 10%, you get `61, 16.426, 253.697`, and if you desaturate by 10%, it is `67, 5.862, 250.524`.

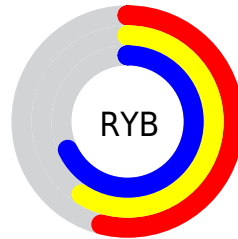
# Distribution



Red (54%)

Green (62%)

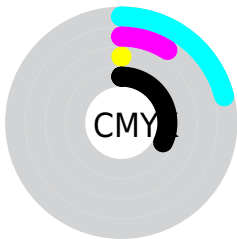
Blue (68%)



Red (54%)

Yellow (59%)

Blue (68%)

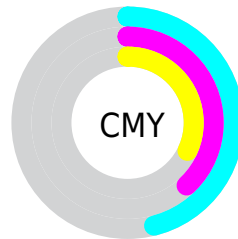


Cyan (21%)

Magenta (9%)

Yellow (0%)

Black (32%)



Cyan (46%)

Magenta (38%)


Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.216, 251.961 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, 11.216, 251.961 by changing the saturation by 10% instead.





 64, 11.216,  
251.961


 64, 11.216,  
251.961


 100, 11.216,  
251.961


 54, 11.216,  
251.961


 84, 11.216,  
251.961

 44, 11.216,  
251.961


 94, 11.216,  
251.961

 34, 11.216,  
251.961

 24, 11.216,  
251.961

 14, 11.216,  
251.961

 4, 11.216, 251.961

 0, 11.216, 251.961

64, 11.216,  
251.961

64, 11.216,  
251.961

61, 16.426,  
253.697

67, 5.862, 250.524

57, 21.465,  
255.799

71, 0.399, 250.167

74, 5.144, 68.138

54, 26.309,  
258.324

78, 10.741, 67.303

51, 30.952,  
261.337

81, 16.369, 66.570

85, 22.008, 65.935

48, 35.415,  
264.881

88, 26.414, 68.095

45, 39.756,  
268.956

90, 27.701, 77.762

91, 29.706, 86.292

43, 44.069,  
273.488

40, 48.182,

277.806

# Harmonies

# Complementary

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



64, 11.216, 251.961



65, 12.067, 66.826

# Rectangle

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



64, 11.216, 251.961



64, 11.216, 301.961



64, 11.216, 71.961



64, 11.216, 121.961

# Sweetspot

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



64, 11.215, 251.955



88, 4.099, 249.982



68, 17.659, 158.526



47, 2.739, 250.050



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



64, 11.215, 251.955



80, 16.726, 252.738



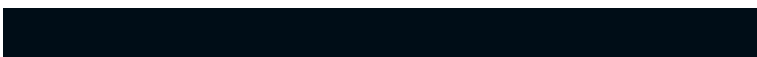
59, 19.045, 289.786



35, 3.097, 250.348



35, 42.888, 277.194



3, 7.054, 259.534



# Inverse Universe

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



61, 17.853, 342.451



76, 26.844, 342.892



70, 18.288, 105.272



34, 4.823, 341.452



32, 58.091, 356.187

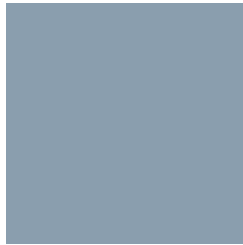


2, 9.451, 345.806



# Previews

## White Background



This preview shows how the CIELCh color 64, 11.216, 251.961 looks on a white background.

## Color Contrast Check

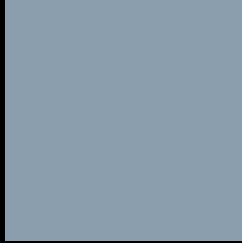
Large Text (above 18pt) WCAG AA × Fail

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 64, 11.216, 251.961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

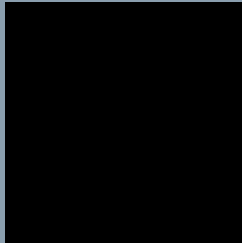
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

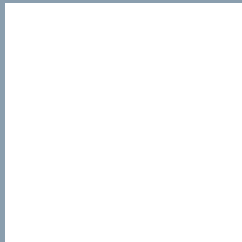
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 11.216, 251.961

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.216, 251.961.



This preview shows how white text looks on a background with the CIELCh color 64, 11.216, 251.961.

# 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, 11.216, 251.961

### Protanopia

64, 9.487, 288.987

### Deuteranopia

64, 13.860, 305.311





**Tritanopia**  
64, 10.263, 244.098

# Trichromacy



**Original Color**  
64, 11.216, 251.961

**Protanomaly**  
64, 9.850, 274.126

**Deuteranomaly**  
64, 12.286, 289.810

**Tritanomaly**  
64, 10.635, 246.416

# Monochromacy



**Original Color**  
64, 11.216, 251.961

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 4.209, 252.195

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 11.216, 251.961 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(138, 158, 174)` looks like.

```
.text, #text, p{  
    color:rgb(138, 158, 174)  
}
```

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(138, 158, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 158, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 11.216, 251.961 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(138, 158, 174) }
```

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

```
.border{ border-color:rgb(138, 158, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 158, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 158, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 158, 174); box-shadow:4px 4px 4px 4px rgb(138, 158, 174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 11.216, 251.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 158, 174) }
```

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

```
.background{ background-color: rgb(138,  
158, 174) }
```

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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