

# Converting Colors

CIELCh(64, 13.900, 214.014)

Have a look what the booklet for  
CIELCh(64, 13.900, 214.014)  
contains.

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# Color

**CIELCh(64, 13.939, 212.273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BA2A8
RGB	123, 162, 168
RGB Percent	48%, 64%, 66%
CMY	0.5183, 0.3653, 0.3418
CMYK	0.27, 0.04, 0.00, 0.34
HSL	188°, 21%, 57%
HSV	188°, 27%, 66%
XYZ	28.0883, 32.8017, 41.8147
YIQ	151.0230, -25.1700, -6.4020

# Conversions

## Conversions Part 2

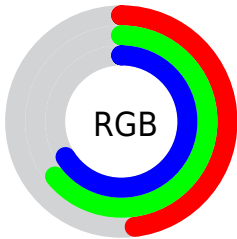
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 144, 168
Decimal	8102568
CIE <sub>Lab</sub>	64.00, -11.79, -7.44
CIE <sub>LCh</sub>	64, 13.939, 212.273
Yxy	32.8017, 0.2735, 0.3194
Android (android.graphics.Color)	4286292648 (0xFF7BA2A8)
YUV	151.0230, 8.3697, -24.5762
Hunter-Lab	57.2727, -12.6855, -3.1965

# Details

The CIELCh color  $64, 13.939, 212.273$  is a light color, and the websafe version is hex  $669999$ . A complement of this color would be  $57, 16.764, 32.636$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 13.815, 211.833$ , and  $44, 13.989, 212.962$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 18.395, 212.579$ , and if you desaturate by 10%, it is  $66, 9.032, 212.121$ .

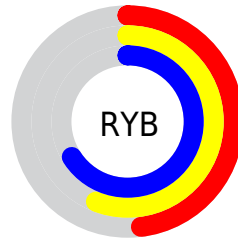
# Distribution



Red (48%)

Green (64%)

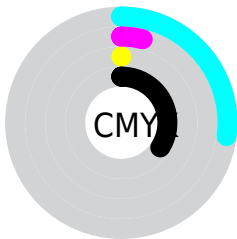
Blue (66%)



Red (48%)

Yellow (56%)

Blue (66%)

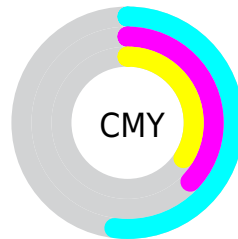


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (52%)

Magenta (37%)


Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 13.939, 212.273 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, 13.939, 212.273 by changing the saturation by 10% instead.





 64, 13.939,  
212.273


 64, 13.939,  
212.273


 100, 13.939,  
212.273


 54, 13.939,  
212.273


 84, 13.939,  
212.273

 44, 13.939,  
212.273

 94, 13.939,  
212.273

 34, 13.939,  
212.273

 24, 13.939,  
212.273

 14, 13.939,  
212.273

 4, 13.939, 212.273

 0, 13.939, 212.273

64, 13.939,  
212.273

64, 13.939,  
212.273

62, 18.395,  
212.579

66, 9.032, 212.121

61, 22.311,  
213.085

68, 3.759, 212.152

69, 1.801, 31.803

60, 25.608,  
213.827

71, 7.578, 32.134

58, 28.220,  
214.855

74, 13.515, 32.342

76, 19.563, 32.575

57, 30.115,  
216.222

78, 25.682, 32.833

56, 31.305,  
217.982

80, 30.993, 33.361

80, 30.431, 35.696

56, 31.880,  
220.158

55, 32.024,



# Harmonies

# Complementary

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



64, 13.939, 212.273



57, 16.764, 32.636

# Rectangle

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



64, 13.939, 212.273



64, 13.939, 262.273



64, 13.939, 32.273



64, 13.939, 82.273

# Sweetspot

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



64, 13.939, 212.268



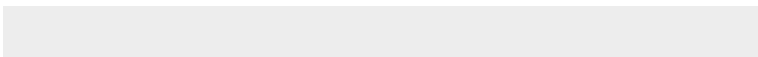
86, 5.473, 212.131



65, 28.135, 145.922



45, 3.869, 212.116



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



64, 13.939, 212.268



81, 20.233, 212.426



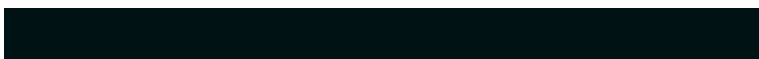
58, 16.687, 270.963



35, 3.112, 212.119



49, 29.199, 220.594



4, 5.638, 217.107



# Inverse Universe

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



57, 27.862, 329.879



70, 41.263, 330.231



63, 17.080, 83.484



33, 5.866, 328.817



34, 69.486, 334.241



2, 10.302, 329.809



# Previews

## White Background



This preview shows how the CIELCh color 64, 13.939, 212.273 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, 13.939, 212.273 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

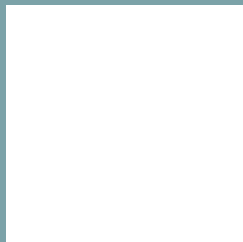
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 13.939, 212.273

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.939, 212.273.



This preview shows how white text looks on a background with the CIELCh color 64, 13.939, 212.273.

# 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







**Tritanopia**  
64, 14.427, 228.821

# Trichromacy



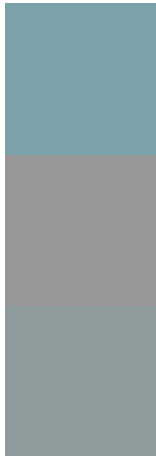
**Original Color**  
64, 13.939, 212.273

**Protanomaly**  
64, 6.715, 240.871

**Deuteranomaly**  
64, 8.613, 276.355

**Tritanomaly**  
64, 14.012, 224.560

# Monochromacy



**Original Color**  
64, 13.939, 212.273

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 5.318, 211.201

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 13.939, 212.273 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(123, 162, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 162, 168)  
}
```

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(123, 162, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 13.939, 212.273 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(123, 162, 168) }
```

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

```
.border{ border-color:rgb(123, 162, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 162, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 13.939, 212.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 162, 168) }
```

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

```
.background{ background-color: rgb(123,  
162, 168) }
```

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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