

# Converting Colors

CIELCh(64, 13.928, 192.226)

Have a look what the booklet for  
CIELCh(64, 13.928, 192.226)  
contains.

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# Color

**CIELCh(64, 13.713, 193.531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CA2A0
RGB	124, 162, 160
RGB Percent	49%, 64%, 63%
CMY	0.5126, 0.3635, 0.3714
CMYK	0.23, 0.00, 0.01, 0.36
HSL	177°, 17%, 56%
HSV	177°, 23%, 64%
XYZ	27.6988, 32.8017, 38.2662
YIQ	150.4100, -22.0060, -8.6780

# Conversions

## Conversions Part 2

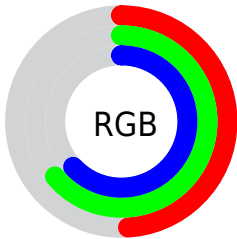
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 144, 162
Decimal	8168096
CIELab	64.00, -13.33, -3.21
CIElCh	64, 13.713, 193.531
Yxy	32.8017, 0.2804, 0.3321
Android (android.graphics.Color)	4286358176 (0xFF7CA2A0)
YUV	150.4100, 4.7279, -23.1616
Hunter-Lab	57.2727, -13.8996, 0.4769

# Details

The CIELCh color `64, 13.713, 193.531` is a light color, and the websafe version is hex `669999`. A complement of this color would be `56, 15.735, 17.018`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 13.844, 194.067`, and `44, 13.468, 195.294` is the 20% darker color. If you saturate the color by 10%, you get `63, 18.928, 192.882`, and if you desaturate by 10%, it is `65, 8.072, 194.198`.

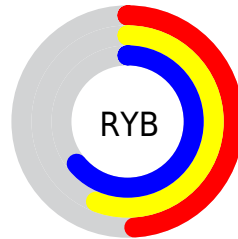
# Distribution



Red (49%)

Green (64%)

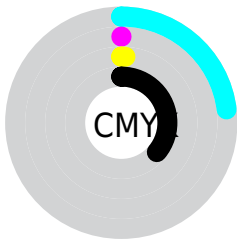
Blue (63%)



Red (49%)

Yellow (56%)

Blue (64%)

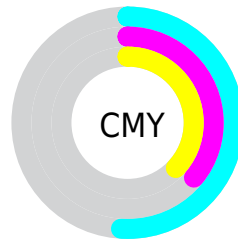


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (51%)

Magenta (36%)


Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 13.713, 193.531 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, 13.713, 193.531 by changing the saturation by 10% instead.





 64, 13.713,  
193.531


 64, 13.713,  
193.531


 100, 13.713,  
193.531


 54, 13.713,  
193.531


 84, 13.713,  
193.531


 44, 13.713,  
193.531


 94, 13.713,  
193.531

 34, 13.713,  
193.531

 24, 13.713,  
193.531

 14, 13.713,  
193.531

 4, 13.713, 193.531

 0, 13.713, 193.531

64, 13.713,  
193.531

64, 13.713,  
193.531

63, 18.928,  
192.882

65, 8.072, 194.198

62, 23.617,  
192.255

66, 2.100, 195.022

68, 4.114, 15.355

62, 27.689,  
191.640

69, 10.494, 16.098

61, 31.068,  
191.031

71, 16.974, 16.793

72, 23.502, 17.477

61, 33.708,  
190.418

74, 30.036, 18.154

60, 35.602,  
189.790

76, 36.545, 18.821

76, 36.851, 18.194

60, 36.788,  
189.135

60, 37.343,

188.696

# Harmonies

# Complementary

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



64, 13.713, 193.531



56, 15.735, 17.018

# Rectangle

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



64, 13.713, 193.531



64, 13.713, 243.531



64, 13.713, 13.531



64, 13.713, 63.531

# Sweetspot

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



64, 13.714, 193.526



84, 5.300, 194.661



63, 25.373, 141.270



45, 3.467, 194.616



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



64, 13.714, 193.526



81, 20.025, 193.195



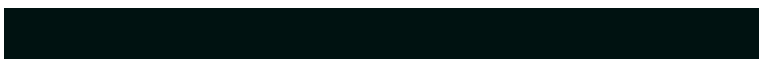
59, 11.864, 251.032



34, 3.450, 194.495



54, 34.426, 188.764



4, 5.498, 193.668



# Inverse Universe

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



56, 15.735, 17.018



69, 23.754, 17.620



60, 12.952, 65.314



32, 3.634, 15.634



30, 66.243, 37.132



1, 5.482, 15.437



# Previews

## White Background



This preview shows how the CIELCh color 64, 13.713, 193.531 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, 13.713, 193.531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

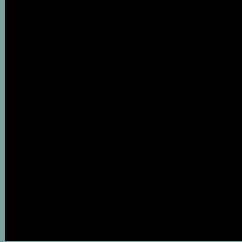
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 13.713, 193.531

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.713, 193.531.

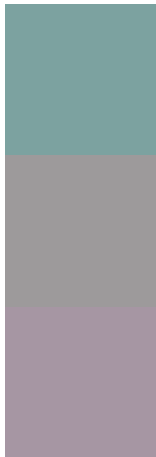


This preview shows how white text looks on a background with the CIELCh color 64, 13.713, 193.531.

# 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, 13.713, 193.531

**Protanopia**  
64, 1.289, 353.560

**Deuteranopia**  
64, 9.510, 330.650





**Tritanopia**  
64, 13.351, 231.670

# Trichromacy



**Original Color**  
64, 13.713, 193.531

**Protanomaly**  
64, 4.505, 199.098

**Deuteranomaly**  
64, 4.589, 276.530

**Tritanomaly**  
64, 12.802, 216.283

# Monochromacy



**Original Color**  
64, 13.713, 193.531

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 5.305, 192.936

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 13.713, 193.531 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(124, 162, 160)` looks like.

```
.text, #text, p{  
    color:rgb(124, 162, 160)  
}
```

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(124, 162, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 162, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 13.713, 193.531 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(124, 162, 160) }
```

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

```
.border{ border-color:rgb(124, 162, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 162, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 162, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 162, 160);  
box-shadow:4px 4px 4px 4px rgb(124, 162,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 13.713, 193.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 162, 160) }
```

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

```
.background{ background-color: rgb(124,  
162, 160) }
```

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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