

# Converting Colors

CIELCh(64, 11.157, 192.647)

Have a look what the booklet for  
CIELCh(64, 11.157, 192.647)  
contains.

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# Color

**CIELCh(64, 11.029, 192.632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A19F
RGB	131, 161, 159
RGB Percent	51%, 63%, 62%
CMY	0.4864, 0.3688, 0.3766
CMYK	0.19, 0.00, 0.01, 0.37
HSL	176°, 14%, 57%
HSV	176°, 19%, 63%
XYZ	28.3481, 32.8017, 37.6220
YIQ	151.8020, -17.2380, -6.9820

# Conversions

## Conversions Part 2

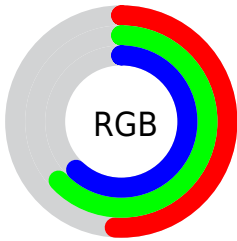
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 147, 161
Decimal	8626591
CIELab	64.00, -10.76, -2.41
CIELCh	64, 11.029, 192.632
Yxy	32.8017, 0.2870, 0.3321
Android (android.graphics.Color)	4286816671 (0xFF83A19F)
YUV	151.8020, 3.5486, -18.2434
Hunter-Lab	57.2727, -11.8759, 1.1438

# Details

The CIELCh color `64, 11.029, 192.632` is a light color, and the websafe version is hex `669999`. A complement of this color would be `58, 12.240, 15.402`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 11.225, 193.239`, and `44, 10.764, 194.959` is the 20% darker color. If you saturate the color by 10%, you get `63, 16.460, 191.929`, and if you desaturate by 10%, it is `65, 5.232, 193.360`.

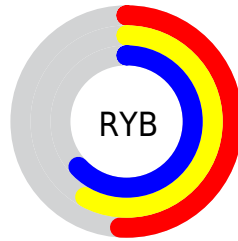
# Distribution



Red (51%)

Green (63%)

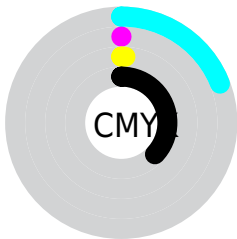
Blue (62%)



Red (51%)

Yellow (58%)

Blue (63%)

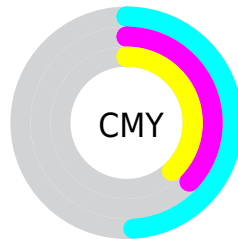


Cyan (19%)

Magenta (0%)

Yellow (1%)

Black (37%)



Cyan (49%)

Magenta (37%)


Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.029, 192.632 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, 11.029, 192.632 by changing the saturation by 10% instead.





 64, 11.029,  
192.632


 64, 11.029,  
192.632


 100, 11.029,  
192.632


 54, 11.029,  
192.632


 84, 11.029,  
192.632

 44, 11.029,  
192.632

 94, 11.029,  
192.632

 34, 11.029,  
192.632

 24, 11.029,  
192.632

 14, 11.029,  
192.632

 4, 11.029, 192.632

 0, 11.029, 192.632

64, 11.029,  
192.632

64, 11.029,  
192.632

63, 16.460,  
191.929

65, 5.232, 193.360

62, 21.425,  
191.244

66, 0.842, 13.416

68, 7.108, 14.595

61, 25.828,  
190.562

69, 13.498, 15.321

61, 29.584,  
189.876

71, 19.953, 16.025

73, 26.427, 16.719

60, 32.629,  
189.177

74, 32.885, 17.402

60, 34.933,  
188.452

76, 37.403, 17.622

76, 37.363, 16.753

60, 36.511,  
187.687

60, 37.503,

186.880

■ 60, 37.628,  
186.772

# Harmonies

# Complementary

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



64, 11.029, 192.632



58, 12.240, 15.402

# Rectangle

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



64, 11.029, 192.632



64, 11.029, 242.632



64, 11.029, 12.632



64, 11.029, 62.632

# Sweetspot

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



64, 11.030, 192.626



83, 4.519, 193.571



63, 19.932, 141.157



44, 2.988, 193.518



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, 11.030, 192.626



81, 15.945, 192.361



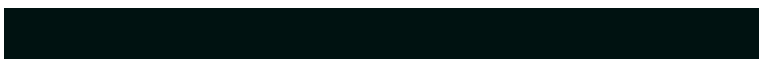
61, 9.339, 248.241



34, 3.460, 193.310



54, 34.896, 186.849



4, 5.516, 192.193



# Inverse Universe

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



58, 12.240, 15.402



71, 18.105, 15.806



61, 10.046, 63.927



32, 3.638, 14.502



30, 65.775, 36.546



1, 5.491, 14.387



# Previews

## White Background



This preview shows how the CIELCh color 64, 11.029, 192.632 looks on a white background.

## Color Contrast Check

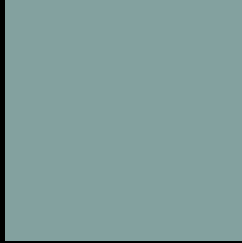
Large Text (above 18pt) WCAG AA × Fail

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, 11.029, 192.632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

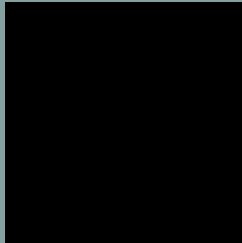
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 11.029, 192.632

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.029, 192.632.

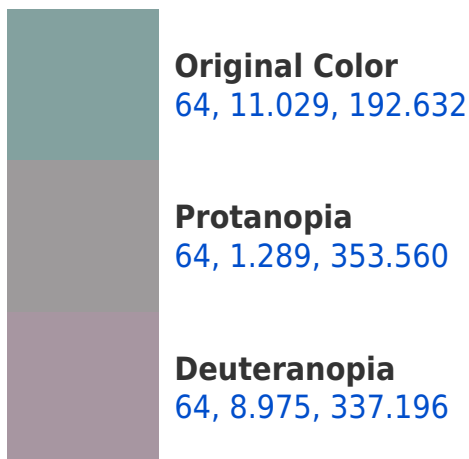


This preview shows how white text looks on a background with the CIELCh color 64, 11.029, 192.632.

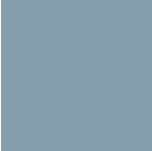
# Color Blindness Simulation

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

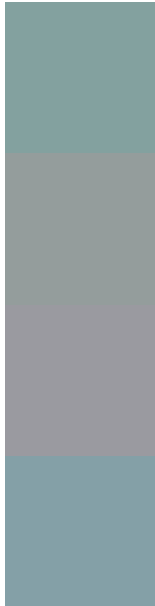






**Tritanopia**  
64, 11.505, 238.045

# Trichromacy



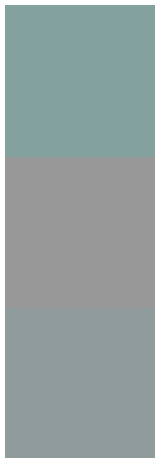
**Original Color**  
64, 11.029, 192.632

**Protanomaly**  
64, 3.457, 189.936

**Deuteranomaly**  
64, 3.353, 290.554

**Tritanomaly**  
64, 10.627, 220.283

# Monochromacy



**Original Color**  
64, 11.029, 192.632

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 4.145, 199.135

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 11.029, 192.632 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(131, 161, 159)` looks like.

```
.text, #text, p{  
    color:rgb(131, 161, 159)  
}
```

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(131, 161, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 161, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 11.029, 192.632 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(131, 161, 159) }
```

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

```
.border{ border-color:rgb(131, 161, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 161, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 161, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 161, 159);  
box-shadow:4px 4px 4px 4px rgb(131, 161,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 11.029, 192.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 161, 159) }
```

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

```
.background{ background-color: rgb(131,  
161, 159) }
```

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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