

Converting Colors

CIELCh(63, 8.996, 219.648)

Have a look what the booklet for
CIELCh(63, 8.996, 219.648) contains.

CIELCh(63, 9.073, 216.741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 9.073, 216.741)

Conversions

Conversions Part 1

Format	Color
Hex	859DA2
RGB	133, 157, 162
RGB Percent	52%, 62%, 64%
CMY	0.4795, 0.3854, 0.3658
CMYK	0.18, 0.03, 0.00, 0.37
HSL	190°, 13%, 58%
HSV	190°, 18%, 63%
XYZ	28.1401, 31.5869, 38.6702
YIQ	150.3940, -15.9090, -3.5330

Conversions

Conversions Part 2

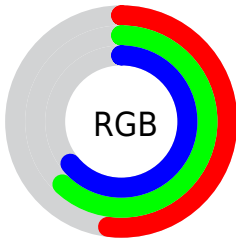
Format	Color
RYB	133, 146, 162
Decimal	8756642
CIELab	63.00, -7.27, -5.43
CIELCh	63, 9.073, 216.741
Yxy	31.5869, 0.2860, 0.3210
Android (android.graphics.Color)	4286946722 (0xFF859DA2)
YUV	150.3940, 5.7218, -15.2545
Hunter-Lab	56.2022, -8.9801, -1.4531

Details

The CIELCh color **63, 9.073, 216.741** is a light color, and the websafe version is hex **999999**. A complement of this color would be **59, 10.195, 36.247**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 9.339, 215.337**, and **43, 9.036, 213.973** is the 20% darker color. If you saturate the color by 10%, you get **61, 13.680, 217.119**, and if you desaturate by 10%, it is **65, 4.122, 216.542**.

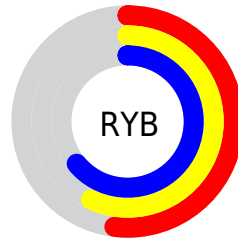
Distribution



Red (52%)

Green (62%)

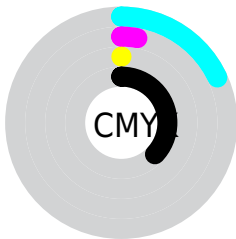
Blue (64%)



Red (52%)

Yellow (57%)

Blue (64%)

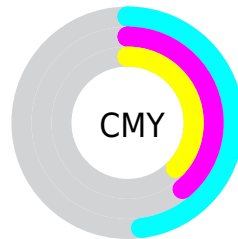


Cyan (18%)

Magenta (3%)

Yellow (0%)

Black (37%)



Cyan (48%)

Magenta (39%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 9.073, 216.741 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 63, 9.073, 216.741 by changing the saturation by 10% instead.

■ 63, 9.073, 216.741

■ 63, 9.073, 216.741

■ 100, 9.073,
216.741

■ 53, 9.073, 216.741

■ 83, 9.073, 216.741

■ 43, 9.073, 216.741

■ 93, 9.073, 216.741

■ 33, 9.073, 216.741

■ 23, 9.073, 216.741

■ 13, 9.073, 216.741

■ 3, 9.073, 216.741

■ 0, 9.073, 216.741

■ 63, 9.073, 216.741

■ 63, 9.073, 216.741

■ 61, 13.680,

■ 65, 4.122, 216.542

217.119

67, 1.100, 35.871

59, 17.865,
217.709

69, 6.532, 36.186

58, 21.548,
218.545

71, 12.118, 36.252

56, 24.657,
219.683

73, 17.814, 36.351

55, 27.137,
221.187

76, 23.585, 36.484

54, 28.963,
223.128

78, 29.400, 36.644

53, 30.157,
225.576

80, 32.388, 37.972

52, 30.849,
228.521

51, 30.983,
229.141

Harmonies

Complementary

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



63, 9.073, 216.741



59, 10.195, 36.247

Rectangle

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



63, 9.073, 216.741



63, 9.073, 266.741



63, 9.073, 36.741



63, 9.073, 86.741

Sweetspot

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



63, 9.073, 216.732



83, 3.227, 216.556



64, 17.594, 148.214



43, 2.194, 216.547



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 9.073, 216.732



79, 13.536, 216.882



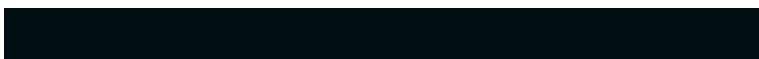
59, 11.410, 273.591



34, 2.953, 216.552



46, 28.647, 228.809



3, 4.593, 221.383

Inverse Universe

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



59, 17.576, 330.647



72, 26.616, 330.929



63, 11.450, 88.896



32, 5.563, 330.104



33, 66.629, 336.333



1, 8.341, 331.097

Previews

White Background



This preview shows how the CIELCh color 63, 9.073, 216.741 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 63, 9.073, 216.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

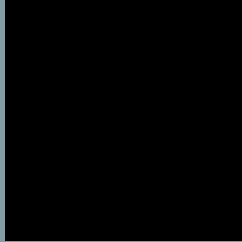
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

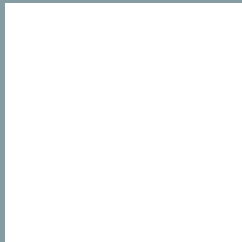
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 9.073, 216.741

Background



This preview shows how black text looks on a background with the CIELCh color 63, 9.073, 216.741.

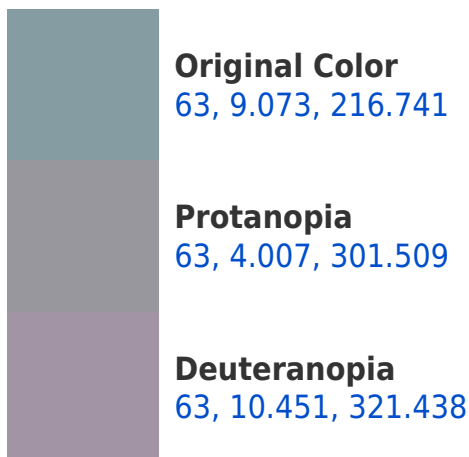


This preview shows how white text looks on a background with the CIELCh color 63, 9.073, 216.741.

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](#).

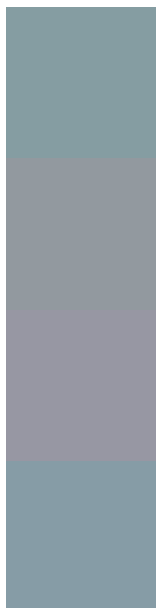
Dichromacy





Tritanopia
63, 10.179, 240.322

Trichromacy



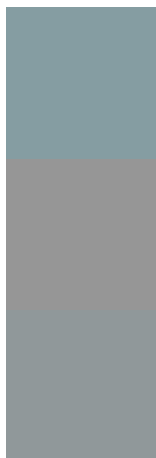
Original Color
63, 9.073, 216.741

Protanomaly
63, 4.218, 252.206

Deuteranomaly
63, 6.723, 290.916

Tritanomaly
63, 9.549, 234.867

Monochromacy



Original Color
63, 9.073, 216.741

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 3.205, 219.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 9.073, 216.741 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(133, 157, 162)` looks like.

```
.text, #text, p{  
    color:rgb(133, 157, 162)  
}
```

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(133, 157, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 157, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 9.073, 216.741 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(133, 157, 162) }
```

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

```
.border{ border-color:rgb(133, 157, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 157, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 157, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 157, 162);  
box-shadow:4px 4px 4px 4px rgb(133, 157,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 9.073, 216.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 157, 162) }
```

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

```
.background{ background-color: rgb(133,  
157, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor