

# Converting Colors

CIELCh(63, 10.760, 283.042)

Have a look what the booklet for  
CIELCh(63, 10.760, 283.042)  
contains.

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# Color

**CIELCh(63, 10.699, 283.537)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9498AB
RGB	148, 152, 171
RGB Percent	58%, 60%, 67%
CMY	0.4205, 0.4048, 0.3303
CMYK	0.13, 0.11, 0.00, 0.33
HSL	230°, 12%, 62%
HSV	230°, 13%, 67%
XYZ	30.6897, 31.5869, 42.8893
YIQ	152.9700, -8.4830, 5.0610

# Conversions

## Conversions Part 2

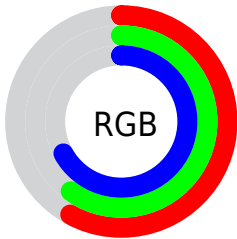
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 151, 171
Decimal	9738411
CIE Lab	63.00, 2.50, -10.40
CIE LCh	63, 10.699, 283.537
Yxy	31.5869, 0.2918, 0.3004
Android (android.graphics.Color)	4287928491 (0xFF9498AB)
YUV	152.9700, 8.8888, -4.3587
Hunter-Lab	56.2022, -0.8825, -5.9041

# Details

The CIELCh color  $63, 10.699, 283.537$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 10.513, 100.430$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 10.643, 283.601$ , and  $43, 10.906, 283.700$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 18.930, 284.950$ , and if you desaturate by 10%, it is  $68, 2.718, 282.347$ .

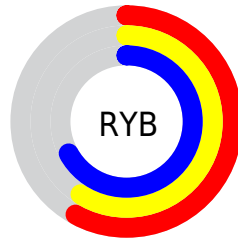
# Distribution



Red (58%)

Green (60%)

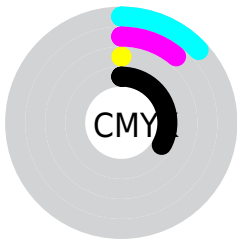
Blue (67%)



Red (58%)

Yellow (59%)

Blue (67%)

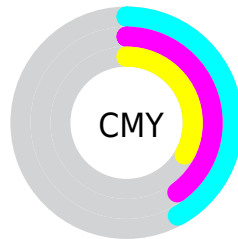


Cyan (13%)

Magenta (11%)

Yellow (0%)

Black (33%)



Cyan (42%)

Magenta (40%)


Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 10.699, 283.537 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, 10.699, 283.537 by changing the saturation by 10% instead.





 63, 10.699,  
283.537


 63, 10.699,  
283.537


 100, 10.699,  
283.537


 53, 10.699,  
283.537


 83, 10.699,  
283.537

 43, 10.699,  
283.537

 93, 10.699,  
283.537

 33, 10.699,  
283.537

 23, 10.699,  
283.537

 13, 10.699,  
283.537

 3, 10.699, 283.537

 0, 10.699, 283.537

63, 10.699,  
283.537

63, 10.699,  
283.537

58, 18.930,  
284.950

68, 2.718, 282.347

53, 27.437,  
286.610

73, 5.026, 101.225

48, 36.244,  
288.544

78, 12.550,  
100.333

43, 45.374,  
290.774

83, 19.865, 99.548

38, 54.826,  
293.296

88, 26.982, 98.860

33, 64.523,  
296.051

93, 33.910, 98.254

29, 74.212,  
298.899

97, 40.125,  
104.565

25, 83.325,

98, 42.162,  
106.958

301.609

■ 23, 88.589,  
303.098

# Harmonies

# Complementary

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



63, 10.699, 283.537



68, 10.513, 100.430

# Rectangle

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



63, 10.699, 283.537



63, 10.699, 333.537



63, 10.699, 103.537



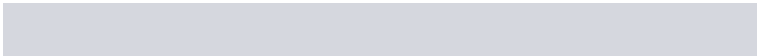
63, 10.699, 153.537

# Sweetspot

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



63, 10.698, 283.532



86, 3.883, 282.408



68, 8.823, 183.411



46, 2.784, 282.487



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



63, 10.698, 283.532



78, 15.793, 283.909



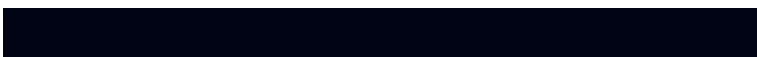
63, 13.222, 303.208



33, 4.416, 283.004



19, 78.942, 302.811



1, 8.174, 283.261



# Inverse Universe

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



63, 9.298, 6.461



79, 13.774, 6.771



69, 12.896, 121.691



33, 3.817, 6.018



30, 62.391, 30.317

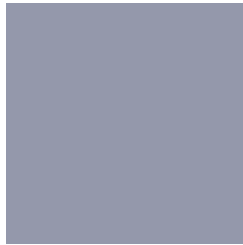


1, 6.745, 7.151



# Previews

## White Background



This preview shows how the CIELCh color 63, 10.699, 283.537 looks on a white background.

## Color Contrast Check

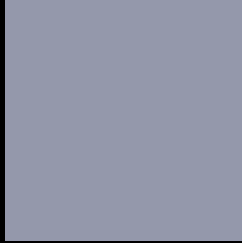
Large Text (above 18pt) WCAG AA × Fail

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, 10.699, 283.537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

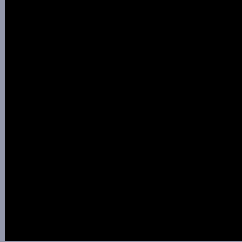
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

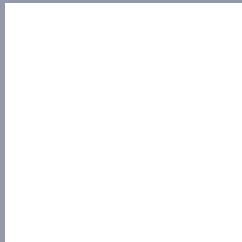
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 63, 10.699, 283.537**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 63, 10.699, 283.537.



This preview shows how white text looks on a background with the CIELCh color 63, 10.699, 283.537.

# 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

63, 10.699, 283.537

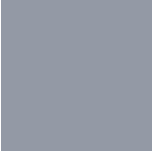
### Protanopia

63, 10.639, 289.368

### Deuteranopia

63, 13.465, 307.404





**Tritanopia**  
63, 7.022, 272.567

# Trichromacy



**Original Color**  
63, 10.699, 283.537

**Protanomaly**  
63, 10.652, 287.414

**Deuteranomaly**  
63, 12.503, 299.919

**Tritanomaly**  
63, 8.086, 275.258

# Monochromacy



**Original Color**  
63, 10.699, 283.537

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 3.429, 277.867

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 10.699, 283.537 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(148, 152, 171)` looks like.

```
.text, #text, p{  
    color:rgb(148, 152, 171)  
}
```

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(148, 152, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 152, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 10.699, 283.537 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(148, 152, 171) }
```

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

```
.border{ border-color:rgb(148, 152, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 152, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 152, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 152, 171);  
box-shadow:4px 4px 4px 4px rgb(148, 152,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 10.699, 283.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 152, 171) }
```

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

```
.background{ background-color: rgb(148,  
152, 171) }
```

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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