

# Converting Colors

CIELCh(68, 16.673, 257.722)

Have a look what the booklet for  
CIELCh(68, 16.673, 257.722)  
contains.

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# **Color**

**CIELCh(68, 16.856, 257.563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8DA9C3
RGB	141, 169, 195
RGB Percent	55%, 66%, 76%
CMY	0.4471, 0.3373, 0.2353
CMYK	0.28, 0.13, 0.00, 0.24
HSL	209°, 31%, 66%
HSV	209°, 28%, 76%
XYZ	35.0165, 37.9720, 57.1053
YIQ	163.5920, -25.0340, 2.1500

# Conversions

## Conversions Part 2

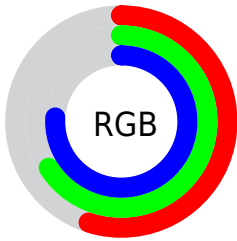
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 159, 195
Decimal	9284035
CIELab	68.00, -3.63, -16.46
CIELCh	68, 16.856, 257.563
Yxy	37.9720, 0.2692, 0.2919
Android (android.graphics.Color)	4287474115 (0xFF8DA9C3)
YUV	163.5920, 15.4841, -19.8132
Hunter-Lab	61.6215, -6.4045, -11.8097

# Details

The CIELCh color **68, 16.856, 257.563** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **70, 18.336, 70.042**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 17.008, 258.718**, and **48, 16.767, 256.898** is the 20% darker color. If you saturate the color by 10%, you get **64, 22.726, 259.626**, and if you desaturate by 10%, it is **72, 10.855, 255.836**.

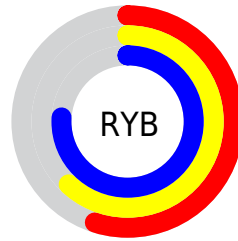
# Distribution



Red (55%)

Green (66%)

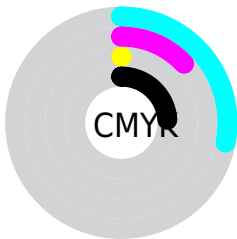
Blue (76%)



Red (55%)

Yellow (62%)

Blue (76%)

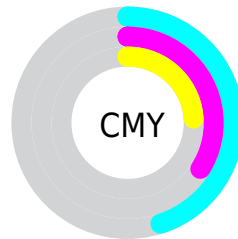


Cyan (28%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (45%)

Magenta (34%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.856, 257.563 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 68, 16.856, 257.563 by changing the saturation by 10% instead.





 68, 16.856,  
257.563


 68, 16.856,  
257.563


 100, 16.856,  
257.563


 58, 16.856,  
257.563


 88, 16.856,  
257.563

 48, 16.856,  
257.563

 98, 16.856,  
257.563

 38, 16.856,  
257.563

 28, 16.856,  
257.563

 18, 16.856,  
257.563

 8, 16.856, 257.563

 0, 16.856, 257.563

68, 16.856,  
257.563

68, 16.856,  
257.563

64, 22.726,  
259.626

72, 10.855,  
255.836

60, 28.448,  
262.094

76, 4.753, 254.423

80, 1.423, 72.851

57, 34.019,  
265.024

84, 7.647, 72.021

53, 39.461,  
268.456

88, 13.895, 71.149

50, 44.831,  
272.392

91, 19.427, 73.031

94, 21.815, 87.693

47, 50.220,  
276.762

96, 25.318, 98.763

44, 55.742,  
281.365

98, 29.510,  
106.803

43, 57.056,



# Harmonies

# Complementary

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



68, 16.856, 257.563



70, 18.336, 70.042

# Rectangle

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



68, 16.856, 257.563



68, 16.856, 307.563



68, 16.856, 77.563



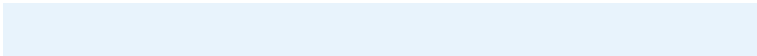
68, 16.856, 127.563

# Sweetspot

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



68, 16.855, 257.559



95, 6.094, 254.477



74, 25.204, 159.434



51, 4.362, 254.674



0, 0.000, 0.000



53, 0.007, 296.813



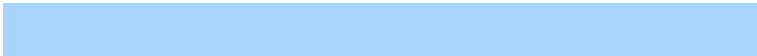


# Same Dimension

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



68, 16.855, 257.559



83, 24.640, 258.716



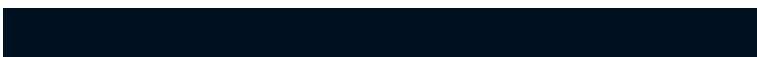
61, 29.420, 292.209



39, 3.481, 254.636



36, 48.745, 281.653



5, 12.568, 267.795



# Inverse Universe

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



65, 25.700, 345.134



78, 37.817, 345.764



77, 27.664, 106.075



38, 5.155, 343.384



34, 60.268, 359.776

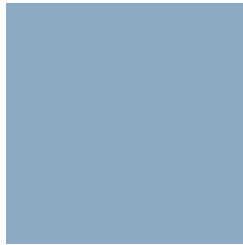


3, 15.998, 351.219



# Previews

## White Background



This preview shows how the CIELCh color 68, 16.856, 257.563 looks on a white background.

## Color Contrast Check

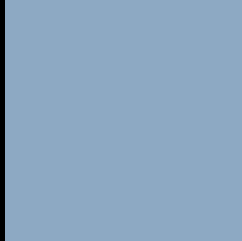
Large Text (above 18pt) WCAG AA × Fail

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 68, 16.856, 257.563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

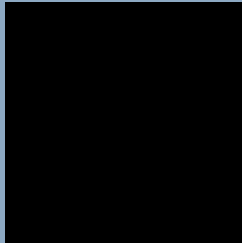
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

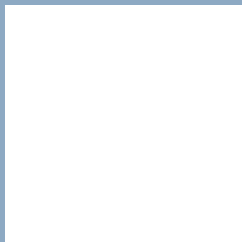
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 68, 16.856, 257.563**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 16.856, 257.563.



This preview shows how white text looks on a background with the CIELCh color 68, 16.856, 257.563.

# 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

68, 16.856, 257.563

### Protanopia

68, 15.473, 286.546

### Deuteranopia

68, 19.395, 296.247





**Tritanopia**  
68, 12.985, 232.295

# Trichromacy



**Original Color**  
68, 16.856, 257.563

**Protanomaly**  
68, 15.418, 274.726

**Deuteranomaly**  
68, 17.233, 282.681

**Tritanomaly**  
68, 14.037, 243.996

# Monochromacy



**Original Color**  
68, 16.856, 257.563

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 6.094, 253.945

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 16.856, 257.563 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(141, 169, 195)` looks like.

```
.text, #text, p{  
    color:rgb(141, 169, 195)  
}
```

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(141, 169, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 169, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 16.856, 257.563 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(141, 169, 195) }
```

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

```
.border{ border-color:rgb(141, 169, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 169, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 169, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 169, 195);  
box-shadow:4px 4px 4px 4px rgb(141, 169,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 16.856, 257.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 169, 195) }
```

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

```
.background{ background-color: rgb(141,  
169, 195) }
```

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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