

# Converting Colors

CIELCh(68, 12.961, 265.029)

Have a look what the booklet for  
CIELCh(68, 12.961, 265.029)  
contains.

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# Color

**CIELCh(68, 13.193, 266.388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97A7BD
RGB	151, 167, 189
RGB Percent	59%, 65%, 74%
CMY	0.4072, 0.3445, 0.2582
CMYK	0.20, 0.12, 0.00, 0.26
HSL	215°, 22%, 67%
HSV	215°, 20%, 74%
XYZ	35.8433, 37.9720, 53.6778
YIQ	164.7240, -16.5980, 3.4500

# Conversions

## Conversions Part 2

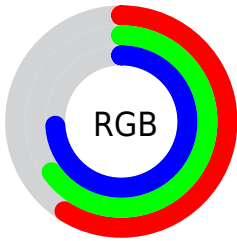
Format	Color
<b>RYB</b>	151, 162, 189
Decimal	9938877
CIELab	68.00, -0.83, -13.17
CIELCh	68, 13.193, 266.388
Yxy	37.9720, 0.2811, 0.2978
Android (android.graphics.Color)	4288128957 (0xFF97A7BD)
YUV	164.7240, 11.9681, -12.0359
Hunter-Lab	61.6215, -4.0096, -8.5119

# Details

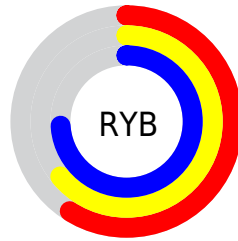
The CIELCh color  $68, 13.193, 266.388$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 13.562, 80.873$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $88, 13.036, 266.762$ , and  $48, 13.352, 267.801$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 19.779, 268.211$ , and if you desaturate by 10%, it is  $72, 6.618, 264.843$ .

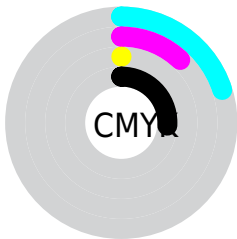
# Distribution



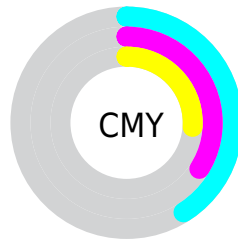
- Red (59%)
- Green (65%)
- Blue (74%)



- Red (59%)
- Yellow (64%)
- Blue (74%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (26%)




- Cyan (41%)
- Magenta (34%)
- Yellow (26%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 13.193, 266.388 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, 13.193, 266.388 by changing the saturation by 10% instead.





 68, 13.193,  
266.388

 68, 13.193,  
266.388


 100, 13.193,  
266.388


 58, 13.193,  
266.388


 88, 13.193,  
266.388

 48, 13.193,  
266.388

 98, 13.193,  
266.388

 38, 13.193,  
266.388

 28, 13.193,  
266.388

 18, 13.193,  
266.388

 8, 13.193, 266.388

 0, 13.193, 266.388

68, 13.193,  
266.388

68, 13.193,  
266.388

64, 19.779,  
268.211

72, 6.618, 264.843

59, 26.375,  
270.365

77, 0.067, 267.840

81, 6.449, 82.269

55, 32.982,  
272.895

85, 12.917, 81.299

51, 39.621,  
275.838

90, 19.330, 80.440

93, 24.033, 87.556

47, 46.331,  
279.207

96, 28.109, 99.207

43, 53.167,  
282.963

99, 33.015,  
107.512

40, 60.177,  
286.989

99, 33.123,  
107.656

37, 67.311,

290.955

# Harmonies

# Complementary

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



68, 13.193, 266.388



72, 13.562, 80.873

# Rectangle

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



68, 13.193, 266.388



68, 13.193, 316.388



68, 13.193, 86.388



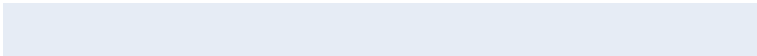
68, 13.193, 136.388

# Sweetspot

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



68, 13.192, 266.383



93, 4.851, 264.313



74, 16.604, 165.598



49, 3.216, 264.395



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



68, 13.192, 266.383



84, 19.440, 267.131



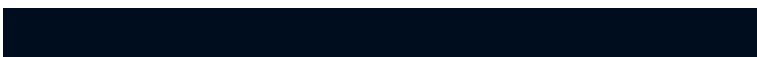
64, 21.273, 294.789



38, 3.709, 264.740



30, 58.103, 290.365



3, 12.471, 274.087



# Inverse Universe

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



66, 17.054, 350.009



81, 25.234, 350.484



76, 20.320, 111.080



37, 4.732, 348.912



33, 59.119, 8.959

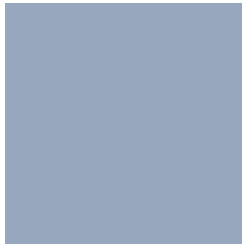


3, 13.411, 356.162



# Previews

## White Background



This preview shows how the CIELCh color 68, 13.193, 266.388 looks on a white background.

## Color Contrast Check

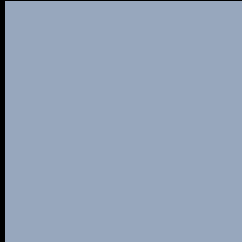
Large Text (above 18pt) WCAG AA × Fail

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, 13.193, 266.388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

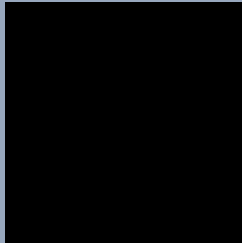
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

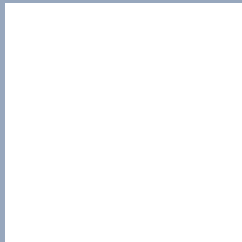
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 68, 13.193, 266.388**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 13.193, 266.388.



This preview shows how white text looks on a background with the CIELCh color 68, 13.193, 266.388.

# 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, 13.193, 266.388

### Protanopia

68, 12.691, 288.251

### Deuteranopia

68, 16.389, 303.106





**Tritanopia**  
68, 9.874, 250.659

# Trichromacy



**Original Color**  
68, 13.193, 266.388

**Protanomaly**  
68, 12.860, 280.379

**Deuteranomaly**  
68, 14.901, 291.693

**Tritanomaly**  
68, 11.151, 256.502

# Monochromacy



**Original Color**  
68, 13.193, 266.388

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 4.893, 263.842

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 13.193, 266.388 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(151, 167, 189)` looks like.

```
.text, #text, p{  
    color:rgb(151, 167, 189)  
}
```

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(151, 167, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 167, 189) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 13.193, 266.388 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(151, 167, 189) }
```

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

```
.border{ border-color:rgb(151, 167, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 167, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 167, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 167, 189);  
box-shadow:4px 4px 4px 4px rgb(151, 167,  
189) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 13.193, 266.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 167, 189) }
```

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

```
.background{ background-color: rgb(151,  
167, 189) }
```

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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