

# Converting Colors

CIELCh(61, 13.688, 232.568)

Have a look what the booklet for  
CIELCh(61, 13.688, 232.568)  
contains.

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# Color

**CIELCh(61, 13.687, 233.954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7798A6
RGB	119, 152, 166
RGB Percent	47%, 60%, 65%
CMY	0.5323, 0.4029, 0.3479
CMYK	0.28, 0.08, 0.00, 0.35
HSL	198°, 21%, 56%
HSV	198°, 28%, 65%
XYZ	25.8244, 29.2481, 40.4925
YIQ	143.7290, -24.1620, -2.6420

# Conversions

## Conversions Part 2

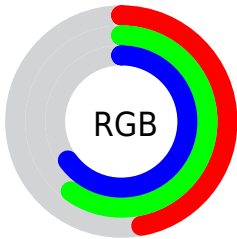
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 138, 166
Decimal	7837862
CIE Lab	61.00, -8.05, -11.07
CIE LCh	61, 13.687, 233.954
Yxy	29.2481, 0.2702, 0.3061
Android (android.graphics.Color)	4286027942 (0xFF7798A6)
YUV	143.7290, 10.9796, -21.6873
Hunter-Lab	54.0815, -9.4074, -6.5352

# Details

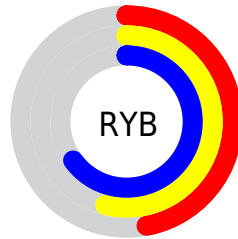
The CIELCh color  $61, 13.687, 233.954$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $58, 16.169, 49.641$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 13.745, 234.387$ , and  $41, 13.594, 234.070$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 17.966, 235.380$ , and if you desaturate by 10%, it is  $63, 9.079, 232.829$ .

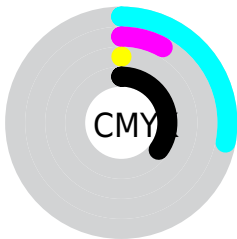
# Distribution



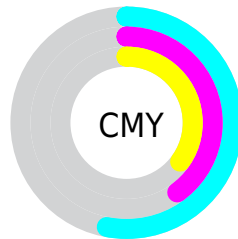
- Red (47%)
- Green (60%)
- Blue (65%)



- Red (47%)
- Yellow (54%)
- Blue (65%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)




- Cyan (53%)
- Magenta (40%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 13.687, 233.954 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 61, 13.687, 233.954 by changing the saturation by 10% instead.





 61, 13.687,  
233.954


 61, 13.687,  
233.954


 100, 13.687,  
233.954


 51, 13.687,  
233.954


 81, 13.687,  
233.954

 41, 13.687,  
233.954

 91, 13.687,  
233.954

 31, 13.687,  
233.954

 21, 13.687,  
233.954

 11, 13.687,  
233.954

 1, 13.687, 233.954

 0, 13.687, 233.954

61, 13.687,  
233.954

61, 13.687,  
233.954

59, 17.966,  
235.380

63, 9.079, 232.829

56, 21.858,  
237.190

66, 4.201, 231.990

69, 0.890, 50.684

54, 25.316,  
239.461

71, 6.147, 50.553

52, 28.312,  
242.281

74, 11.527, 50.150

77, 16.995, 49.820

50, 30.860,  
245.728

80, 22.523, 49.556

48, 33.022,  
249.842

82, 28.087, 49.349

84, 28.712, 54.351

47, 34.959,  
254.493

46, 35.306,

255.282

# Harmonies

# Complementary

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



61, 13.687, 233.954



58, 16.169, 49.641

# Rectangle

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



61, 13.687, 233.954



61, 13.687, 283.954



61, 13.687, 53.954



61, 13.687, 103.954

# Sweetspot

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



61, 13.687, 233.949



84, 5.044, 231.982



64, 26.043, 151.435



44, 3.602, 232.084



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



61, 13.687, 233.949



76, 20.039, 234.819



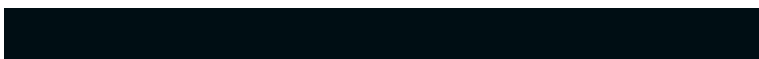
55, 21.371, 283.292



34, 2.897, 232.061



41, 32.257, 254.746



3, 5.413, 240.560



# Inverse Universe

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



56, 26.018, 336.189



68, 38.759, 336.692



64, 20.783, 96.097



33, 5.218, 334.787



32, 61.786, 344.351



2, 8.957, 337.373



# Previews

## White Background



This preview shows how the CIELCh color 61, 13.687, 233.954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 13.687, 233.954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

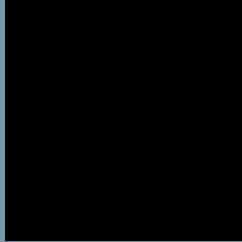
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

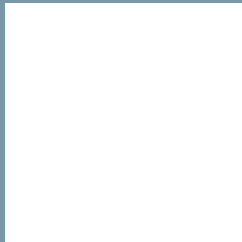
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 13.687, 233.954

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 13.687, 233.954.



This preview shows how white text looks on a background with the CIELCh color 61, 13.687, 233.954.

# 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

61, 13.687, 233.954


### Protanopia

61, 9.018, 288.836

### Deuteranopia

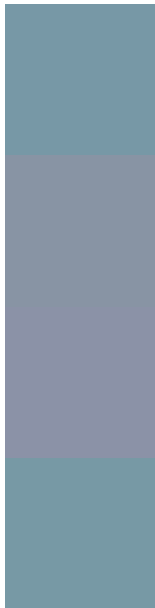
61, 14.460, 303.418





**Tritanopia**  
61, 13.443, 228.837

# Trichromacy



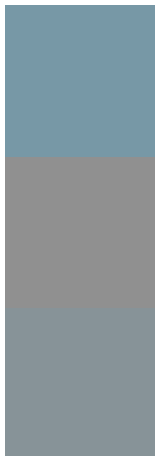
**Original Color**  
61, 13.687, 233.954

**Protanomaly**  
61, 9.899, 265.145

**Deuteranomaly**  
61, 12.046, 279.406

**Tritanomaly**  
61, 13.443, 228.837

# Monochromacy



**Original Color**  
61, 13.687, 233.954

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 5.250, 231.714

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 13.687, 233.954 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(119, 152, 166)` looks like.

```
.text, #text, p{  
    color:rgb(119, 152, 166)  
}
```

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(119, 152, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 152, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 13.687, 233.954 is called "border". The border property can be set on classes, ids or directly on the HTML element.

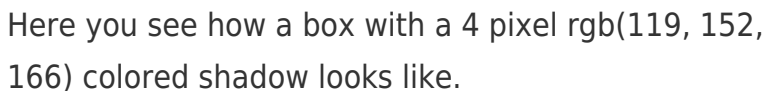
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 152, 166) }
```

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

```
.border{ border-color:rgb(119, 152, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 152, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 152, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 152, 166); box-shadow:4px 4px 4px 4px rgb(119, 152, 166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 13.687, 233.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 152, 166) }
```

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

```
.background{ background-color: rgb(119,  
152, 166) }
```

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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