

# Converting Colors

CIELCh(61, 15.817, 244.282)

Have a look what the booklet for  
CIELCh(61, 15.817, 244.282)  
contains.

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# Color

**CIELCh(61, 15.828, 244.311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7698AC
RGB	118, 152, 172
RGB Percent	46%, 60%, 67%
CMY	0.5376, 0.4043, 0.3258
CMYK	0.31, 0.12, 0.00, 0.33
HSL	202°, 25%, 57%
HSV	202°, 31%, 67%
XYZ	26.1108, 29.2481, 43.2532
YIQ	144.1140, -26.6840, -0.9880

# Conversions

## Conversions Part 2

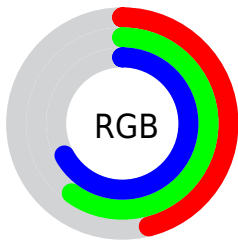
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 139, 172
Decimal	7772332
CIELab	61.00, -6.86, -14.26
CIELCh	61, 15.828, 244.311
Yxy	29.2481, 0.2648, 0.2966
Android (android.graphics.Color)	4285962412 (0xFF7698AC)
YUV	144.1140, 13.7478, -22.9020
Hunter-Lab	54.0815, -8.4622, -9.5618

# Details

The CIELCh color  $61, 15.828, 244.311$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $60, 18.501, 57.494$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 15.826, 243.909$ , and  $41, 16.020, 244.864$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 20.372, 246.221$ , and if you desaturate by 10%, it is  $64, 11.012, 242.756$ .

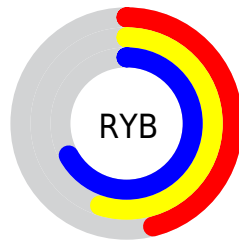
# Distribution



Red (46%)

Green (60%)

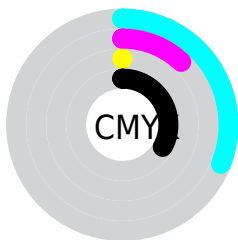
Blue (67%)



Red (46%)

Yellow (55%)

Blue (67%)

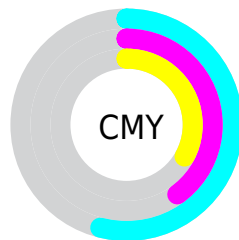


Cyan (31%)

Magenta (12%)

Yellow (0%)

Black (33%)



Cyan (54%)

Magenta (40%)


Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 15.828, 244.311 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, 15.828, 244.311 by changing the saturation by 10% instead.





 61, 15.828,  
244.311


 61, 15.828,  
244.311


 100, 15.828,  
244.311


 51, 15.828,  
244.311


 81, 15.828,  
244.311

 41, 15.828,  
244.311

 91, 15.828,  
244.311

 31, 15.828,  
244.311

 21, 15.828,  
244.311

 11, 15.828,  
244.311

 1, 15.828, 244.311

 0, 15.828, 244.311

61, 15.828,  
244.311

61, 15.828,  
244.311

58, 20.372,  
246.221

64, 11.012,  
242.756

55, 24.608,  
248.570

67, 5.972, 241.514

70, 0.752, 240.954

53, 28.510,  
251.434

73, 4.605, 59.456

50, 32.084,  
254.878

76, 10.064, 58.797

48, 35.379,  
258.937

79, 15.594, 58.223

82, 21.170, 57.736

46, 38.493,  
263.573

85, 26.624, 57.551

44, 41.178,  
267.743

87, 26.904, 65.925

# Harmonies

# Complementary

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



61, 15.828, 244.311



60, 18.501, 57.494

# Rectangle

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



61, 15.828, 244.311



61, 15.828, 294.311



61, 15.828, 64.311



61, 15.828, 114.311

# Sweetspot

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



61, 15.827, 244.307



86, 5.872, 241.278



66, 27.850, 154.469



45, 4.066, 241.424



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



61, 15.827, 244.307



75, 23.380, 245.659



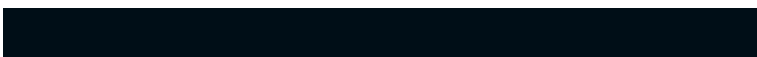
54, 27.077, 288.336



35, 2.994, 241.293



38, 37.047, 267.139



4, 6.687, 251.625





# Inverse Universe

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



56, 28.273, 339.736



68, 42.359, 340.412



67, 25.701, 100.731



34, 5.080, 337.909



33, 59.976, 349.907



2, 9.945, 341.846



# Previews

## White Background



This preview shows how the CIELCh color 61, 15.828, 244.311 looks on a white background.

## Color Contrast Check

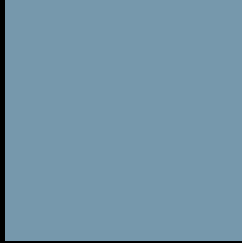
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 61, 15.828, 244.311 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

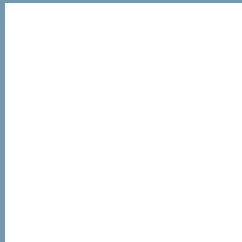
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 15.828, 244.311

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 15.828, 244.311.



This preview shows how white text looks on a background with the CIELCh color 61, 15.828, 244.311.

# 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, 15.828, 244.311

### Protanopia

61, 12.420, 286.538

### Deuteranopia

61, 17.626, 297.931



**Tritanopia**  
61, 14.275, 226.844



# Trichromacy



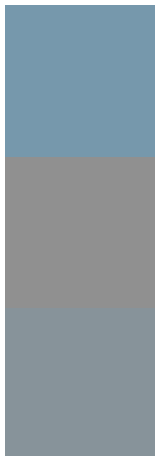
**Original Color**  
61, 15.828, 244.311

**Protanomaly**  
61, 12.694, 268.414

**Deuteranomaly**  
61, 15.463, 280.020

**Tritanomaly**  
61, 14.726, 233.704

# Monochromacy



**Original Color**  
61, 15.828, 244.311

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 5.892, 241.362

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 15.828, 244.311 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(118, 152, 172)` looks like.

```
.text, #text, p{  
    color:rgb(118, 152, 172)  
}
```

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(118, 152, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 152, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 15.828, 244.311 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(118, 152, 172) }
```

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

```
.border{ border-color:rgb(118, 152, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 152, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 152, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 152, 172);  
box-shadow:4px 4px 4px 4px rgb(118, 152,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 15.828, 244.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 152, 172) }
```

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

```
.background{ background-color: rgb(118,  
152, 172) }
```

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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