

# Converting Colors

CIELCh(61, 5.828, 156.504)

Have a look what the booklet for  
CIELCh(61, 5.828, 156.504) contains.

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# Color

**CIELCh(61, 5.828, 156.504)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B968F
RGB	139, 150, 143
RGB Percent	55%, 59%, 56%
CMY	0.4552, 0.4121, 0.4395
CMYK	0.07, 0.00, 0.05, 0.41
HSL	142°, 5%, 57%
HSV	142°, 7%, 59%
XYZ	26.4780, 29.2481, 30.2032
YIQ	145.9130, -4.3090, -4.5090

# Conversions

## Conversions Part 2

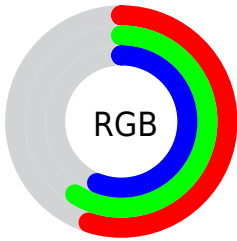
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	139, 147, 150
Decimal	9148047
CIE Lab	61.00, -5.34, 2.32
CIE LCh	61, 5.828, 156.504
Yxy	29.2481, 0.3081, 0.3404
Android (android.graphics.Color)	4287338127 (0xFF8B968F)
YUV	145.9130, -1.4361, -6.0627
Hunter-Lab	54.0815, -7.2503, 4.7451

# Details

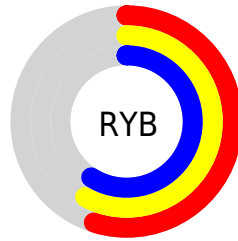
The CIELCh color  $61, 5.828, 156.504$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 5.865, 337.443$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 5.772, 159.038$ , and  $41, 5.563, 157.948$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 13.819, 155.680$ , and if you desaturate by 10%, it is  $62, 2.110, 337.016$ .

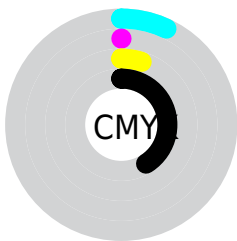
# Distribution



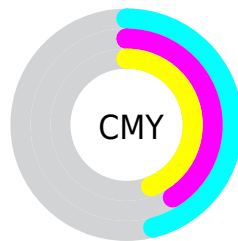
- Red (55%)
- Green (59%)
- Blue (56%)



- Red (55%)
- Yellow (58%)
- Blue (59%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (41%)



- Cyan (46%)
- Magenta (41%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 5.828, 156.504 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, 5.828, 156.504 by changing the saturation by 10% instead.



61, 5.828, 156.504

61, 5.828, 156.504

100, 5.828,  
156.504

51, 5.828, 156.504

81, 5.828, 156.504

41, 5.828, 156.504

91, 5.828, 156.504

31, 5.828, 156.504

21, 5.828, 156.504

11, 5.828, 156.504

1, 5.828, 156.504

0, 5.828, 156.504

61, 5.828, 156.504

61, 5.828, 156.504

60, 13.819,

62, 2.110, 337.016

155.680

64, 9.934, 337.753

58, 21.770,  
154.774

66, 17.594,  
338.331

57, 29.573,  
153.747

67, 25.056,  
338.849

57, 37.102,  
152.576

69, 32.303,  
339.320

56, 44.220,  
151.238

71, 39.323,  
339.752

55, 50.792,  
149.718

73, 46.116,  
340.150

55, 56.701,  
148.008

75, 51.793,  
339.294

54, 61.866,  
146.121

75, 55.012,  
335.242

54, 66.303,  
144.134



# Harmonies

# Complementary

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



61, 5.828, 156.504



59, 5.865, 337.443

# Rectangle

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



61, 5.828, 156.504



61, 5.828, 206.504



61, 5.828, 336.504



61, 5.828, 26.504

# Sweetspot

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



61, 5.830, 156.501



78, 1.948, 157.013



61, 6.354, 123.301



41, 1.104, 157.035



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



61, 5.830, 156.501



77, 8.823, 156.352



61, 4.305, 186.634



31, 4.442, 156.351



50, 63.118, 143.822



2, 3.879, 156.980



# Inverse Universe

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



59, 5.865, 337.443



74, 8.882, 337.586



59, 4.447, 7.673



29, 4.472, 337.587



30, 56.511, 349.137



1, 3.880, 336.972



# Previews

## White Background



This preview shows how the CIELCh color 61, 5.828, 156.504 looks on a white background.

## Color Contrast Check

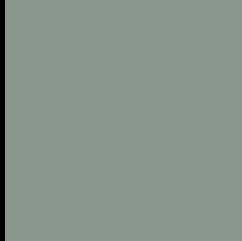
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.828, 156.504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

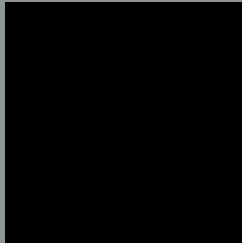
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

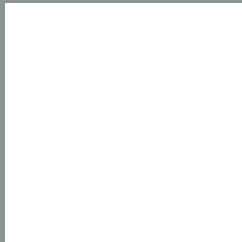
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 61, 5.828, 156.504**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 5.828, 156.504.



This preview shows how white text looks on a background with the CIELCh color 61, 5.828, 156.504.

# 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, 5.828, 156.504

### Protanopia

61, 3.416, 74.550

### Deuteranopia

61, 8.008, 12.131





**Tritanopia**  
61, 6.973, 275.507

# Trichromacy



**Original Color**  
61, 5.828, 156.504

**Protanomaly**  
61, 2.802, 109.844

**Deuteranomaly**  
61, 3.578, 28.634

**Tritanomaly**  
61, 3.822, 246.860

# Monochromacy



**Original Color**  
61, 5.828, 156.504

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 1.920, 163.604

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 5.828, 156.504 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(139, 150, 143)` looks like.

```
.text, #text, p{  
    color:rgb(139, 150, 143)  
}
```

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(139, 150, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 150, 143) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 5.828, 156.504 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(139, 150, 143) }
```

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

```
.border{ border-color:rgb(139, 150, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 150, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 150, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 150, 143);  
box-shadow:4px 4px 4px 4px rgb(139, 150,  
143) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 5.828, 156.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 150, 143) }
```

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

```
.background{ background-color: rgb(139,  
150, 143) }
```

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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