

# Converting Colors

CIELCh(61, 12.357, 254.398)

Have a look what the booklet for  
CIELCh(61, 12.357, 254.398)  
contains.

<b>CIELCh(61, 12.357, 254.398)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(61, 12.357, 254.398)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8196A8
RGB	129, 150, 168
RGB Percent	51%, 59%, 66%
CMY	0.4946, 0.4123, 0.3417
CMYK	0.23, 0.11, 0.00, 0.34
HSL	208°, 18%, 58%
HSV	208°, 23%, 66%
XYZ	26.9727, 29.2481, 41.2020
YIQ	145.7730, -18.2940, 1.1460

# Conversions

## Conversions Part 2

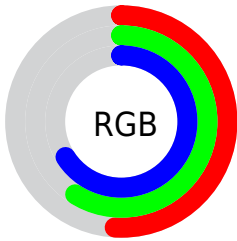
Format	Color
<a href="#">RYB</a>	<a href="#">129, 143, 168</a>
Decimal	<a href="#">8492712</a>
CIELab	<a href="#">61.00, -3.32, -11.90</a>
CIElCh	<a href="#">61, 12.357, 254.398</a>
Yxy	<a href="#">29.2481, 0.2769, 0.3002</a>
Android (android.graphics.Color)	<a href="#">4286682792</a> ( <a href="#">0xFF8196A8</a> )
YUV	<a href="#">145.7730, 10.9579, -14.7099</a>
Hunter-Lab	<a href="#">54.0815, -5.6174, -7.3130</a>

# Details

The CIELCh color **61, 12.357, 254.398** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 13.335, 68.443**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 12.394, 253.895**, and **41, 12.415, 255.527** is the 20% darker color. If you saturate the color by 10%, you get **58, 17.484, 256.242**, and if you desaturate by 10%, it is **64, 7.102, 252.860**.

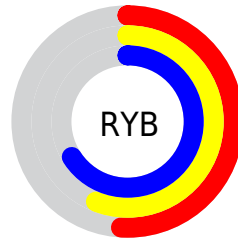
# Distribution



Red (51%)

Green (59%)

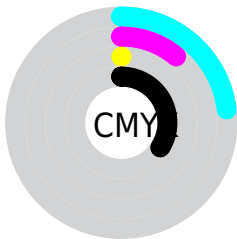
Blue (66%)



Red (51%)

Yellow (56%)

Blue (66%)

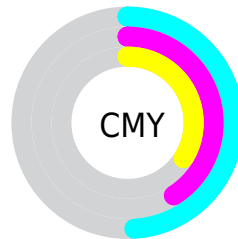


Cyan (23%)

Magenta (11%)

Yellow (0%)

Black (34%)



Cyan (49%)

Magenta (41%)


Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 12.357, 254.398 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, 12.357, 254.398 by changing the saturation by 10% instead.





 61, 12.357,  
254.398


 61, 12.357,  
254.398


 100, 12.357,  
254.398


 51, 12.357,  
254.398


 81, 12.357,  
254.398

 41, 12.357,  
254.398

 91, 12.357,  
254.398

 31, 12.357,  
254.398

 21, 12.357,  
254.398

 11, 12.357,  
254.398

 1, 12.357, 254.398

 0, 12.357, 254.398

61, 12.357,  
254.398

61, 12.357,  
254.398

58, 17.484,  
256.242

64, 7.102, 252.860

54, 22.463,  
258.461

68, 1.751, 251.706

71, 3.672, 70.310

51, 27.276,  
261.111

75, 9.140, 69.431

48, 31.927,  
264.249

78, 14.634, 68.644

45, 36.447,  
267.905

81, 20.135, 67.959

43, 40.901,  
272.057

85, 25.629, 67.362

40, 45.383,  
276.604

88, 28.914, 71.602

89, 30.424, 80.284

38, 48.516,

279.652

# Harmonies

# Complementary

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



61, 12.357, 254.398



62, 13.335, 68.443

# Rectangle

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



61, 12.357, 254.398



61, 12.357, 304.398



61, 12.357, 74.398



61, 12.357, 124.398

# Sweetspot

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



61, 12.356, 254.393



85, 4.696, 252.079



66, 18.999, 159.093



44, 3.045, 252.144



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, 12.356, 254.393



76, 18.410, 255.328



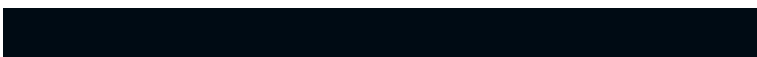
56, 21.249, 290.837



34, 3.055, 252.339



34, 43.783, 279.112



3, 5.925, 259.168



# Inverse Universe

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



58, 19.279, 343.577



72, 28.953, 344.096



67, 20.255, 105.795



33, 4.650, 342.322



31, 57.070, 357.656

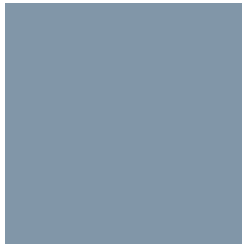


2, 7.981, 345.603



# Previews

## White Background



This preview shows how the CIELCh color 61, 12.357, 254.398 looks on a white background.

## Color Contrast Check

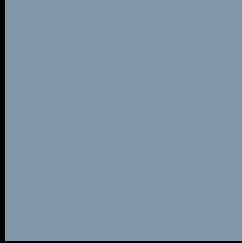
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.357, 254.398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

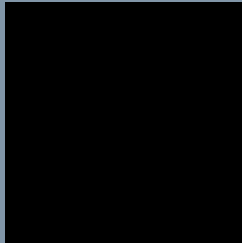
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

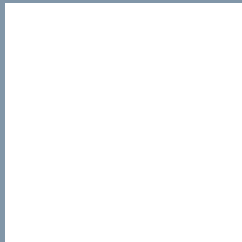
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 12.357, 254.398

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 12.357, 254.398.



This preview shows how white text looks on a background with the CIELCh color 61, 12.357, 254.398.

# 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, 12.357, 254.398

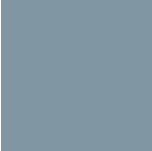
### Protanopia

61, 10.717, 287.455

### Deuteranopia

61, 15.011, 303.010





**Tritanopia**  
61, 10.482, 239.145

# Trichromacy



**Original Color**  
61, 12.357, 254.398

**Protanomaly**  
61, 11.108, 274.358

**Deuteranomaly**  
61, 13.540, 288.628

**Tritanomaly**  
61, 11.173, 243.936

# Monochromacy



**Original Color**  
61, 12.357, 254.398

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 4.697, 256.631

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 12.357, 254.398 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(129, 150, 168)` looks like.

```
.text, #text, p{  
    color:rgb(129, 150, 168)  
}
```

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(129, 150, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 150, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 12.357, 254.398 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(129, 150, 168) }
```

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

```
.border{ border-color:rgb(129, 150, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 150, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 150, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 150, 168);  
box-shadow:4px 4px 4px 4px rgb(129, 150,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 12.357, 254.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 150, 168) }
```

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

```
.background{ background-color: rgb(129,  
150, 168) }
```

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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