

# Converting Colors

CIELCh(61, 12.031, 279.392)

Have a look what the booklet for  
CIELCh(61, 12.031, 279.392)  
contains.

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# Color

**CIELCh(61, 12.031, 279.392)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C93A8
RGB	140, 147, 168
RGB Percent	55%, 58%, 66%
CMY	0.4512, 0.4237, 0.3414
CMYK	0.17, 0.13, 0.00, 0.34
HSL	225°, 14%, 60%
HSV	225°, 17%, 66%
XYZ	28.2957, 29.2481, 41.1747
YIQ	147.3010, -10.9130, 5.0470

# Conversions

## Conversions Part 2

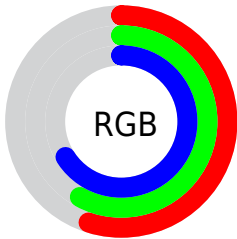
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">140, 146, 168</a>
Decimal	<a href="#">9212840</a>
CIELab	<a href="#">61.00, 1.96, -11.87</a>
CIElCh	<a href="#">61, 12.031, 279.392</a>
Yxy	<a href="#">29.2481, 0.2866, 0.2963</a>
Android (android.graphics.Color)	<a href="#">4287402920 (0xFF8C93A8)</a>
YUV	<a href="#">147.3010, 10.2046, -6.4030</a>
Hunter-Lab	<a href="#">54.0815, -1.2506, -7.2830</a>

# Details

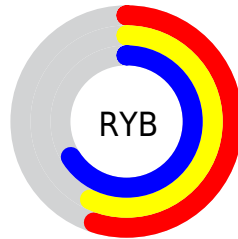
The CIELCh color **61, 12.031, 279.392** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 11.897, 95.260**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 11.889, 279.472**, and **41, 11.752, 278.872** is the 20% darker color. If you saturate the color by 10%, you get **56, 19.484, 280.958**, and if you desaturate by 10%, it is **66, 4.760, 278.056**.

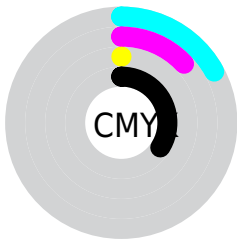
# Distribution



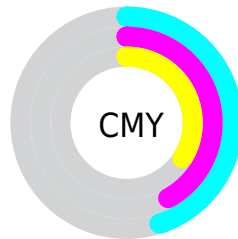
- Red (55%)
- Green (58%)
- Blue (66%)



- Red (55%)
- Yellow (57%)
- Blue (66%)



- Cyan (17%)
- Magenta (13%)
- Yellow (0%)
- Black (34%)



- Cyan (45%)
- Magenta (42%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 12.031, 279.392 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, 12.031, 279.392 by changing the saturation by 10% instead.



■ 61, 12.031,  
279.392

■ 61, 12.031,  
279.392

■ 100, 12.031,  
279.392

■ 51, 12.031,  
279.392

■ 81, 12.031,  
279.392

■ 41, 12.031,  
279.392

■ 91, 12.031,  
279.392

■ 31, 12.031,  
279.392

■ 21, 12.031,  
279.392

■ 11, 12.031,  
279.392

■ 1, 12.031, 279.392

■ 0, 12.031, 279.392

61, 12.031,  
279.392

61, 12.031,  
279.392

56, 19.484,  
280.958

66, 4.760, 278.056

52, 27.140,  
282.793

70, 2.336, 96.785

47, 35.017,  
284.926

75, 9.266, 95.828

42, 43.143,  
287.384

80, 16.037, 94.956

38, 51.532,  
290.164

84, 22.653, 94.188

34, 60.162,  
293.210

89, 29.119, 93.510

30, 68.898,  
296.394

93, 35.188, 94.488

26, 77.408,

96, 40.277,  
102.967

98, 43.529,  
106.853

299.482

■ 25, 80.121,  
300.386

# Harmonies

# Complementary

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



61, 12.031, 279.392



66, 11.897, 95.260

# Rectangle

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



61, 12.031, 279.392



61, 12.031, 329.392



61, 12.031, 99.392



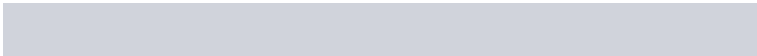
61, 12.031, 149.392

# Sweetspot

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



61, 12.030, 279.388



85, 4.427, 277.871



67, 11.210, 176.811



44, 3.017, 277.948



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, 12.030, 279.388



76, 18.012, 279.940



60, 16.084, 300.428



33, 4.056, 278.380



22, 72.238, 300.061



1, 7.615, 279.474



# Inverse Universe

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



61, 11.741, 1.122



76, 17.639, 1.554



68, 15.549, 118.221



33, 3.927, 0.314



30, 59.558, 24.368

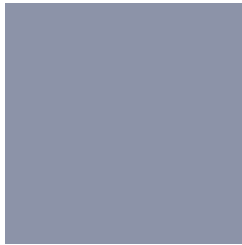


1, 6.913, 2.092



# Previews

## White Background



This preview shows how the CIELCh color 61, 12.031, 279.392 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, 12.031, 279.392 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

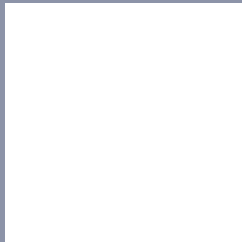
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 12.031, 279.392

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 12.031, 279.392.



This preview shows how white text looks on a background with the CIELCh color 61, 12.031, 279.392.

# 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, 12.031, 279.392

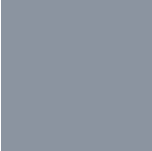
### Protanopia

61, 11.839, 287.969

### Deuteranopia

61, 15.011, 303.010





**Tritanopia**  
61, 7.456, 264.540

# Trichromacy



**Original Color**  
61, 12.031, 279.392

**Protanomaly**  
61, 11.860, 286.224

**Deuteranomaly**  
61, 14.170, 296.146

**Tritanomaly**  
61, 8.985, 269.670

# Monochromacy



**Original Color**  
61, 12.031, 279.392

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 4.627, 276.564

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 12.031, 279.392 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(140, 147, 168)` looks like.

```
.text, #text, p{  
    color:rgb(140, 147, 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(140, 147, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 147, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 12.031, 279.392 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(140, 147, 168) }
```

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

```
.border{ border-color:rgb(140, 147, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 147, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 147, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 147, 168);  
box-shadow:4px 4px 4px 4px rgb(140, 147,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 12.031, 279.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 147, 168) }
```

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

```
.background{ background-color: rgb(140,  
147, 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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