

# Converting Colors

CIELCh(61, 13.712, 274.004)

Have a look what the booklet for  
CIELCh(61, 13.712, 274.004)  
contains.

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# **Color**

**CIELCh(61, 13.511, 273.253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8894AB
RGB	136, 148, 171
RGB Percent	53%, 58%, 67%
CMY	0.4676, 0.4206, 0.3304
CMYK	0.20, 0.13, 0.00, 0.33
HSL	219°, 17%, 60%
HSV	219°, 20%, 67%
XYZ	27.9926, 29.2481, 42.5734
YIQ	147.0340, -14.5350, 4.6090

# Conversions

## Conversions Part 2

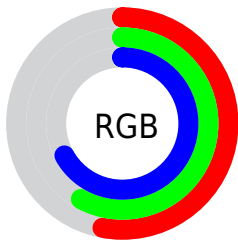
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 145, 171
Decimal	8950955
CIE <sub>Lab</sub>	61.00, 0.77, -13.49
CIE <sub>LCh</sub>	61, 13.511, 273.253
Yxy	29.2481, 0.2804, 0.2930
Android (android.graphics.Color)	4287141035 (0xFF8894AB)
YUV	147.0340, 11.8152, -9.6768
Hunter-Lab	54.0815, -2.2512, -8.8165

# Details

The CIELCh color  $61, 13.511, 273.253$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $66, 13.600, 87.772$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 13.295, 273.342$ , and  $41, 13.826, 275.096$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 20.246, 275.017$ , and if you desaturate by 10%, it is  $65, 6.871, 271.745$ .

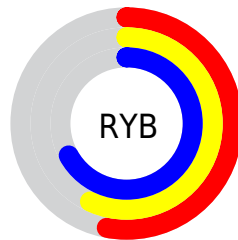
# Distribution



Red (53%)

Green (58%)

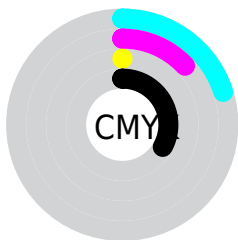
Blue (67%)



Red (53%)

Yellow (57%)

Blue (67%)

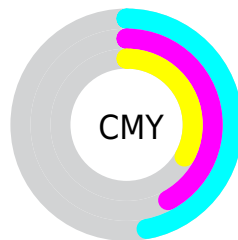


Cyan (20%)

Magenta (13%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (42%)


Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 13.511, 273.253 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, 13.511, 273.253 by changing the saturation by 10% instead.





 61, 13.511,  
273.253


 61, 13.511,  
273.253


 100, 13.511,  
273.253


 51, 13.511,  
273.253


 81, 13.511,  
273.253

 41, 13.511,  
273.253


 91, 13.511,  
273.253

 31, 13.511,  
273.253

 21, 13.511,  
273.253

 11, 13.511,  
273.253

 1, 13.511, 273.253

 0, 13.511, 273.253

61, 13.511,  
273.253

61, 13.511,  
273.253

57, 20.246,  
275.017

65, 6.871, 271.745

52, 27.085,  
277.086

70, 0.328, 271.079

74, 6.119, 89.241

48, 34.044,  
279.495

78, 12.468, 88.278

44, 41.148,  
282.273

83, 18.716, 87.425

87, 24.863, 86.671

40, 48.429,  
285.416

91, 30.861, 86.197

36, 55.909,  
288.870

94, 34.712, 96.002

33, 63.559,  
292.504

97, 39.348,  
103.549

29, 70.882,

295.835

# Harmonies

# Complementary

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



61, 13.511, 273.253



66, 13.600, 87.772

# Rectangle

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



61, 13.511, 273.253



61, 13.511, 323.253



61, 13.511, 93.253



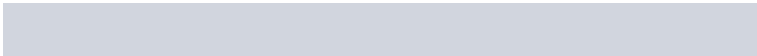
61, 13.511, 143.253

# Sweetspot

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



61, 13.510, 273.249



85, 4.850, 271.171



67, 14.677, 170.696



45, 3.244, 271.249



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, 13.510, 273.249



75, 20.464, 274.090



58, 20.053, 297.777



33, 3.660, 271.580



25, 62.990, 295.387



2, 6.986, 274.060



# Inverse Universe

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



60, 15.351, 355.063



74, 23.337, 355.652



69, 19.173, 114.553



33, 4.111, 353.849



31, 57.152, 16.066

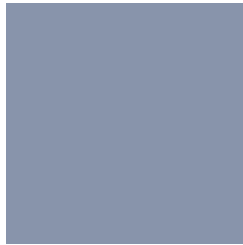


2, 7.187, 356.292



# Previews

## White Background



This preview shows how the CIELCh color 61, 13.511, 273.253 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, 13.511, 273.253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

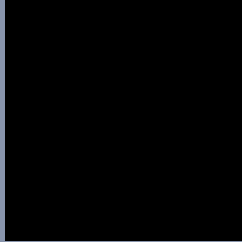
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

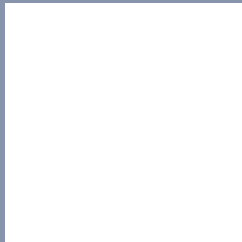
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 61, 13.511, 273.253

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 13.511, 273.253.

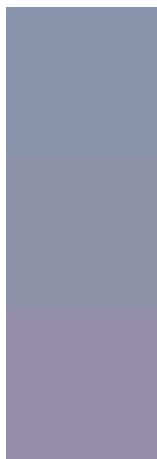


This preview shows how white text looks on a background with the CIELCh color 61, 13.511, 273.253.

# 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, 13.511, 273.253

### Protanopia

61, 12.980, 286.830

### Deuteranopia

61, 16.553, 299.492





**Tritanopia**  
61, 8.571, 251.350

# Trichromacy



**Original Color**  
61, 13.511, 273.253

**Protanomaly**  
61, 13.129, 280.605

**Deuteranomaly**  
61, 15.219, 290.513

**Tritanomaly**  
61, 10.197, 261.513

# Monochromacy



**Original Color**  
61, 13.511, 273.253

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 5.261, 274.194

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 13.511, 273.253 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(136, 148, 171)` looks like.

```
.text, #text, p{  
    color:rgb(136, 148, 171)  
}
```

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(136, 148, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 148, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 13.511, 273.253 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(136, 148, 171) }
```

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

```
.border{ border-color:rgb(136, 148, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 148, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 148, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 148, 171);  
box-shadow:4px 4px 4px 4px rgb(136, 148,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 13.511, 273.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 148, 171) }
```

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

```
.background{ background-color: rgb(136,  
148, 171) }
```

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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