

# Converting Colors

CIELCh(61, 13.708, 272.295)

Have a look what the booklet for  
CIELCh(61, 13.708, 272.295)  
contains.

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# Color

**CIELCh(61, 13.613, 271.857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8794AB
RGB	135, 148, 171
RGB Percent	53%, 58%, 67%
CMY	0.4708, 0.4198, 0.3296
CMYK	0.21, 0.13, 0.00, 0.33
HSL	218°, 18%, 60%
HSV	218°, 21%, 67%
XYZ	27.9105, 29.2481, 42.6754
YIQ	146.7350, -15.1310, 4.3970

# Conversions

## Conversions Part 2

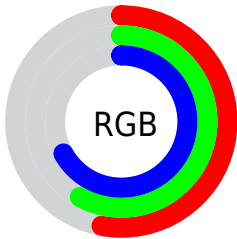
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 145, 171
Decimal	8885419
CIE <sub>Lab</sub>	61.00, 0.44, -13.61
CIE <sub>LCh</sub>	61, 13.613, 271.857
Yxy	29.2481, 0.2796, 0.2930
Android (android.graphics.Color)	4287075499 (0xFF8794AB)
YUV	146.7350, 11.9626, -10.2916
Hunter-Lab	54.0815, -2.5222, -8.9282

# Details

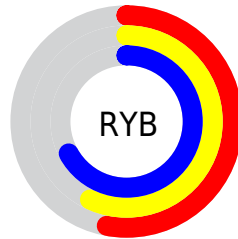
The CIELCh color  $61, 13.613, 271.857$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $66, 13.772, 86.167$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 13.394, 271.964$ , and  $41, 13.922, 273.684$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 20.193, 273.654$ , and if you desaturate by 10%, it is  $65, 7.108, 270.323$ .

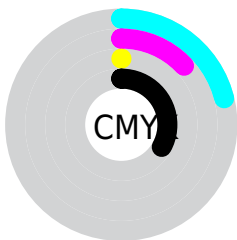
# Distribution



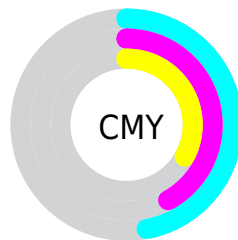
- Red (53%)
- Green (58%)
- Blue (67%)



- Red (53%)
- Yellow (57%)
- Blue (67%)



- Cyan (21%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)




- Cyan (47%)
- Magenta (42%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 13.613, 271.857 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, 13.613, 271.857 by changing the saturation by 10% instead.





 61, 13.613,  
271.857


 61, 13.613,  
271.857


 100, 13.613,  
271.857


 51, 13.613,  
271.857


 81, 13.613,  
271.857

 41, 13.613,  
271.857

 91, 13.613,  
271.857

 31, 13.613,  
271.857

 21, 13.613,  
271.857

 11, 13.613,  
271.857

 1, 13.613, 271.857

 0, 13.613, 271.857

61, 13.613,  
271.857

61, 13.613,  
271.857

57, 20.193,  
273.654

65, 7.108, 270.323

53, 26.857,  
275.762

70, 0.682, 269.303

74, 5.662, 87.775

48, 33.617,  
278.219

78, 11.921, 86.800

44, 40.498,  
281.055

82, 18.092, 85.936

86, 24.170, 85.173

40, 47.534,  
284.267

91, 30.155, 84.495

37, 54.756,  
287.801

93, 33.789, 94.245

33, 62.152,  
291.526

96, 38.169,  
102.037

30, 68.848,

294.745

# Harmonies

# Complementary

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



61, 13.613, 271.857



66, 13.772, 86.167

# Rectangle

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



61, 13.613, 271.857



61, 13.613, 321.857



61, 13.613, 91.857



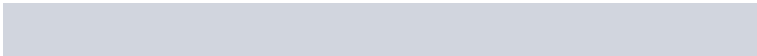
61, 13.613, 141.857

# Sweetspot

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



61, 13.612, 271.853



85, 4.758, 269.667



67, 15.264, 169.565



45, 3.182, 269.745



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, 13.612, 271.853



75, 20.028, 272.608



58, 20.627, 297.242



34, 3.679, 270.083



26, 61.987, 294.337



2, 8.299, 274.102



# Inverse Universe

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



60, 15.947, 353.916



74, 23.541, 354.432



69, 19.687, 113.816



34, 4.258, 352.657



31, 57.580, 14.443

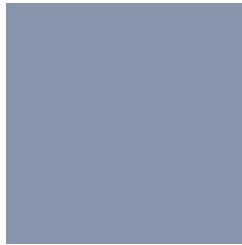


2, 8.529, 356.332



# Previews

## White Background



This preview shows how the CIELCh color 61, 13.613, 271.857 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, 13.613, 271.857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

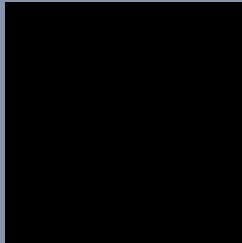
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

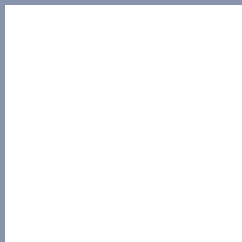
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 61, 13.613, 271.857**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 13.613, 271.857.



This preview shows how white text looks on a background with the CIELCh color 61, 13.613, 271.857.

# 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, 13.613, 271.857

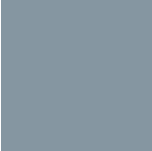
### Protanopia

61, 13.540, 287.102

### Deuteranopia

61, 16.553, 299.492





**Tritanopia**  
61, 8.623, 245.085

# Trichromacy



**Original Color**  
61, 13.613, 271.857

**Protanomaly**  
61, 13.129, 280.605

**Deuteranomaly**  
61, 15.219, 290.513

**Tritanomaly**  
61, 10.365, 259.798

# Monochromacy



**Original Color**  
61, 13.613, 271.857

**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, 13.613, 271.857 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(135, 148, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 148, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 148, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 13.613, 271.857 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(135, 148, 171) }
```

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

```
.border{ border-color:rgb(135, 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(135, 148, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 148, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 148, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 148,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 13.613, 271.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 148, 171) }
```

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

```
.background{ background-color: rgb(135,  
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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