

# Converting Colors

CIELCh(61, 18.187, 329.025)

Have a look what the booklet for  
CIELCh(61, 18.187, 329.025)  
contains.

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# Color

**CIELCh(61, 18.558, 329.338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A88AA4
RGB	168, 138, 164
RGB Percent	66%, 54%, 64%
CMY	0.3406, 0.4582, 0.3563
CMYK	0.00, 0.18, 0.02, 0.34
HSL	308°, 15%, 60%
HSV	308°, 18%, 66%
XYZ	32.0068, 29.2481, 39.1541
YIQ	149.9340, 9.5340, 14.4460

# Conversions

## Conversions Part 2

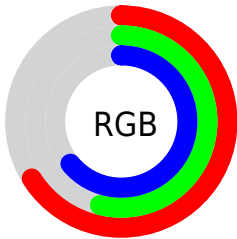
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">168, 138, 164</a>
Decimal	<a href="#">11045540</a>
CIELab	<a href="#">61.00, 15.96, -9.46</a>
CIELCh	<a href="#">61, 18.558, 329.338</a>
Yxy	<a href="#">29.2481, 0.3188, 0.2913</a>
Android (android.graphics.Color)	<a href="#">4289235620 (0xFFA88AA4)</a>
YUV	<a href="#">149.9340, 6.9345, 15.8439</a>
Hunter-Lab	<a href="#">54.0815, 10.9979, -5.0678</a>

# Details

The CIELCh color  $61, 18.558, 329.338$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $66, 18.514, 147.154$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 18.218, 328.977$ , and  $41, 18.423, 329.986$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 28.975, 329.945$ , and if you desaturate by 10%, it is  $65, 8.115, 328.730$ .

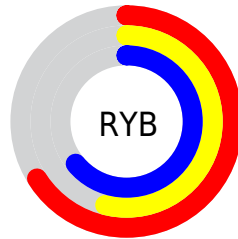
# Distribution



Red (66%)

Green (54%)

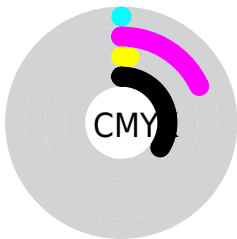
Blue (64%)



Red (66%)

Yellow (54%)

Blue (64%)

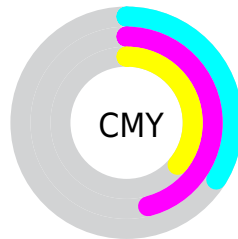


Cyan (0%)

Magenta (18%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (46%)


Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 18.558, 329.338 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, 18.558, 329.338 by changing the saturation by 10% instead.





 61, 18.558,  
329.338


 61, 18.558,  
329.338


 100, 18.558,  
329.338


 51, 18.558,  
329.338


 81, 18.558,  
329.338

 41, 18.558,  
329.338

 91, 18.558,  
329.338

 31, 18.558,  
329.338

 21, 18.558,  
329.338

 11, 18.558,  
329.338

 1, 18.558, 329.338

 0, 18.558, 329.338

61, 18.558,  
329.338

61, 18.558,  
329.338

57, 28.975,  
329.945

65, 8.115, 328.730

53, 39.161,  
330.553

70, 2.204, 148.303

49, 48.818,  
331.160

75, 12.311,  
147.653

46, 57.571,  
331.761

79, 22.156,  
147.112

43, 64.990,  
332.355

84, 31.714,  
146.602

41, 70.660,  
332.947

89, 40.977,  
146.119


40, 74.289,  
333.551


93, 49.450,  
145.727

39, 75.982,

93, 48.539,  
146.531

334.181

 93, 47.633,  
147.363

 39, 76.271,  
334.318

# Harmonies

# Complementary

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



61, 18.558, 329.338



66, 18.514, 147.154

# Rectangle

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



61, 18.558, 329.338



61, 18.558, 19.338



61, 18.558, 149.338



61, 18.558, 199.338

# Sweetspot

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



61, 18.556, 329.338



85, 6.411, 328.553



59, 17.136, 296.921



44, 4.369, 328.598



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, 18.556, 329.338



76, 27.130, 329.553



61, 13.308, 353.194



33, 5.865, 328.820



34, 69.482, 334.245



2, 10.302, 329.813



# Inverse Universe

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



61, 18.556, 329.338



76, 27.130, 329.553



66, 12.795, 169.895



33, 5.865, 328.820



34, 69.482, 334.245

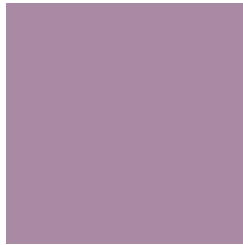


2, 10.302, 329.813



# Previews

## White Background



This preview shows how the CIELCh color 61, 18.558, 329.338 looks on a white background.

## Color Contrast Check

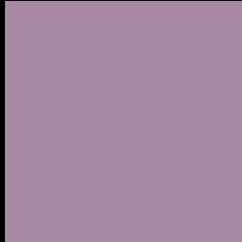
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.558, 329.338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

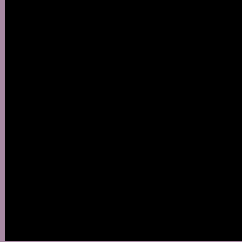
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 18.558, 329.338

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 18.558, 329.338.



This preview shows how white text looks on a background with the CIELCh color 61, 18.558, 329.338.

# 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, 18.558, 329.338

### Protanopia

61, 12.980, 286.830

### Deuteranopia

61, 12.060, 311.309





**Tritanopia**  
61, 11.899, 349.407

# Trichromacy



**Original Color**  
61, 18.558, 329.338

**Protanomaly**  
61, 13.994, 305.347

**Deuteranomaly**  
61, 14.194, 319.934

**Tritanomaly**  
61, 14.448, 339.550

# Monochromacy



**Original Color**  
61, 18.558, 329.338

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 6.621, 330.281

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 18.558, 329.338 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(168, 138, 164)` looks like.

```
.text, #text, p{  
    color:rgb(168, 138, 164)  
}
```

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(168, 138, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 138, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 18.558, 329.338 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(168, 138, 164) }
```

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

```
.border{ border-color:rgb(168, 138, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 138, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 138, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 138, 164);  
box-shadow:4px 4px 4px 4px rgb(168, 138,  
164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 18.558, 329.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 138, 164) }
```

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

```
.background{ background-color: rgb(168,  
138, 164) }
```

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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