

# Converting Colors

CIELCh(61, 10.705, 331.206)

Have a look what the booklet for  
CIELCh(61, 10.705, 331.206)  
contains.

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# **Color**

**CIELCh(61, 10.520, 331.992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A08E9C
RGB	160, 142, 156
RGB Percent	63%, 56%, 61%
CMY	0.3723, 0.4429, 0.3880
CMYK	0.00, 0.11, 0.02, 0.37
HSL	313°, 9%, 59%
HSV	313°, 11%, 63%
XYZ	30.1993, 29.2481, 35.5353
YIQ	148.9780, 6.2340, 8.1700

# Conversions

## Conversions Part 2

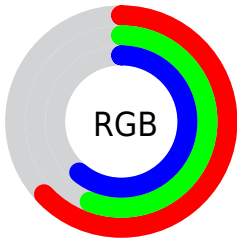
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 142, 156
Decimal	10522268
CIE <sub>Lab</sub>	61.00, 9.29, -4.94
CIE <sub>LCh</sub>	61, 10.520, 331.992
Yxy	29.2481, 0.3179, 0.3079
Android (android.graphics.Color)	4288712348 (0xFFA08E9C)
YUV	148.9780, 3.4618, 9.6663
Hunter-Lab	54.0815, 5.0321, -1.1005

# Details

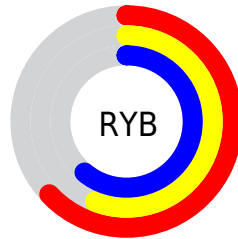
The CIELCh color  $61, 10.520, 331.992$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 10.480, 150.607$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 10.194, 333.385$ , and  $41, 10.307, 330.942$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 19.963, 332.655$ , and if you desaturate by 10%, it is  $65, 1.160, 331.165$ .

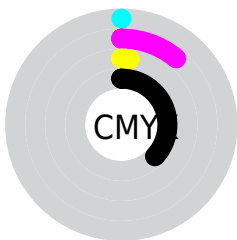
# Distribution



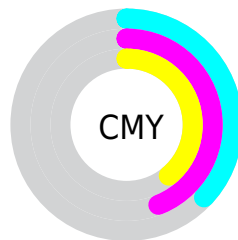
- Red (63%)
- Green (56%)
- Blue (61%)



- Red (63%)
- Yellow (56%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (2%)
- Black (37%)




- Cyan (37%)
- Magenta (44%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 10.520, 331.992 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, 10.520, 331.992 by changing the saturation by 10% instead.





 61, 10.520,  
331.992


 61, 10.520,  
331.992


 100, 10.520,  
331.992


 51, 10.520,  
331.992


 81, 10.520,  
331.992

 41, 10.520,  
331.992

 91, 10.520,  
331.992

 31, 10.520,  
331.992

 21, 10.520,  
331.992

 11, 10.520,  
331.992

 1, 10.520, 331.992

 0, 10.520, 331.992

61, 10.520,  
331.992

61, 10.520,  
331.992

57, 19.963,  
332.655

65, 1.160, 331.165

53, 29.348,  
333.337

70, 8.020, 150.834

49, 38.460,  
334.046

74, 16.969,  
150.251

45, 47.002,  
334.785

79, 25.662,  
149.708

42, 54.601,  
335.566

83, 34.091,  
149.197

40, 60.841,  
336.404

88, 42.258,  
148.714


38, 65.338,  
337.328


92, 50.173,  
148.260

37, 67.859,

93, 49.271,  
149.481

338.376

 93, 47.876,  
150.870

 36, 68.852,  
339.391

# Harmonies

# Complementary

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



61, 10.520, 331.992



64, 10.480, 150.607

# Rectangle

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



61, 10.520, 331.992



61, 10.520, 21.992



61, 10.520, 151.992



61, 10.520, 201.992

# Sweetspot

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



61, 10.518, 331.993



82, 3.471, 331.413



60, 10.311, 299.403



43, 2.627, 331.480



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61, 10.518, 331.993



77, 15.135, 332.125



61, 7.635, 358.135



31, 5.229, 331.860



32, 63.430, 339.257



1, 6.634, 332.565



# Inverse Universe

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



61, 10.518, 331.993



77, 15.135, 332.125



64, 7.383, 176.161



31, 5.229, 331.860



32, 63.430, 339.257



1, 6.634, 332.565



# Previews

## White Background



This preview shows how the CIELCh color 61, 10.520, 331.992 looks on a white background.

## Color Contrast Check

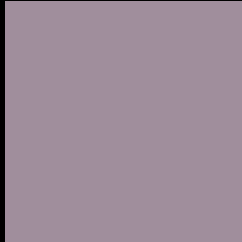
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.520, 331.992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

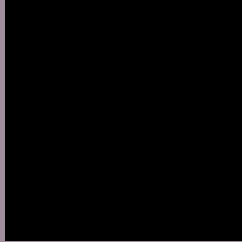
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 10.520, 331.992

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 10.520, 331.992.



This preview shows how white text looks on a background with the CIELCh color 61, 10.520, 331.992.

# 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, 10.520, 331.992


### Protanopia

61, 7.342, 293.917

### Deuteranopia

61, 9.347, 328.828





**Tritanopia**  
61, 9.720, 336.417

# Trichromacy



**Original Color**  
61, 10.520, 331.992

**Protanomaly**  
61, 7.823, 310.733

**Deuteranomaly**  
61, 9.588, 330.675

**Tritanomaly**  
61, 10.112, 334.114

# Monochromacy



**Original Color**  
61, 10.520, 331.992

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
61, 4.345, 328.820

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 10.520, 331.992 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(160, 142, 156)` looks like.

```
.text, #text, p{  
    color:rgb(160, 142, 156)  
}
```

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(160, 142, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 142, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 10.520, 331.992 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(160, 142, 156) }
```

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

```
.border{ border-color:rgb(160, 142, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 142, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 142, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 142, 156);  
box-shadow:4px 4px 4px 4px rgb(160, 142,  
156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 10.520, 331.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 142, 156) }
```

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

```
.background{ background-color: rgb(160,  
142, 156) }
```

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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