

# Converting Colors

CIELCh(60, 25.639, 308.588)

Have a look what the booklet for  
CIELCh(60, 25.639, 308.588)  
contains.

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# Color

**CIELCh(60, 25.354, 308.223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C89B4
RGB	156, 137, 180
RGB Percent	61%, 54%, 71%
CMY	0.3895, 0.4639, 0.2954
CMYK	0.13, 0.24, 0.00, 0.30
HSL	267°, 22%, 62%
HSV	267°, 24%, 70%
XYZ	30.7573, 28.1233, 46.8159
YIQ	147.5830, -2.4790, 17.4010

# Conversions

## Conversions Part 2

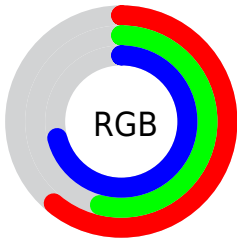
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 137, 180
Decimal	10258868
CIE <sub>Lab</sub>	60.00, 15.69, -19.92
CIE <sub>LCh</sub>	60, 25.354, 308.223
Yxy	28.1233, 0.2910, 0.2661
Android (android.graphics.Color)	4288448948 (0xFF9C89B4)
YUV	147.5830, 15.9816, 7.3817
Hunter-Lab	53.0314, 10.7219, -15.2190

# Details

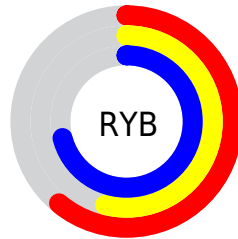
The CIELCh color  $60, 25.354, 308.223$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $71, 24.436, 125.873$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 25.694, 308.499$ , and  $40, 25.311, 308.049$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 36.431, 308.809$ , and if you desaturate by 10%, it is  $66, 14.540, 307.676$ .

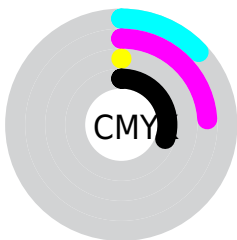
# Distribution



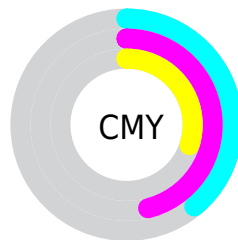
- Red (61%)
- Green (54%)
- Blue (71%)



- Red (61%)
- Yellow (54%)
- Blue (71%)



- Cyan (13%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)




- Cyan (39%)
- Magenta (46%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 25.354, 308.223 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 60, 25.354, 308.223 by changing the saturation by 10% instead.





 60, 25.354,  
308.223


 60, 25.354,  
308.223


 100, 25.354,  
308.223


 50, 25.354,  
308.223


 80, 25.354,  
308.223

 40, 25.354,  
308.223

 90, 25.354,  
308.223

 30, 25.354,  
308.223

 20, 25.354,  
308.223

 10, 25.354,  
308.223

 0, 25.354, 308.223

 60, 25.354,

 60, 25.354,

308.223

55, 36.431,  
308.809

49, 47.680,  
309.422

44, 58.917,  
310.029

39, 69.818,  
310.579

35, 79.862,  
310.988

31, 88.308,  
311.144

28, 94.331,  
310.917

27, 97.124,  
310.678

308.223

66, 14.540,  
307.676

71, 4.038, 307.167

77, 6.138, 126.763


82, 15.989,  
126.363

88, 25.524,  
126.018

93, 34.758,  
125.719

96, 39.525,  
123.470

97, 38.572,  
118.166

 98, 37.986,  
112.543

# Harmonies

# Complementary

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



60, 25.354, 308.223



71, 24.436, 125.873

# Rectangle

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



60, 25.354, 308.223



60, 25.354, 358.223



60, 25.354, 128.223



60, 25.354, 178.223

# Sweetspot

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



60, 25.352, 308.222



88, 8.990, 307.329



65, 13.154, 251.145



46, 5.842, 307.359



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



60, 25.352, 308.222



73, 38.468, 308.546



62, 28.257, 323.826



35, 5.843, 307.440



22, 86.140, 310.818



1, 13.722, 303.386



# Inverse Universe

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



62, 21.265, 342.620



76, 32.081, 343.160



69, 28.158, 141.222



35, 4.949, 341.326



33, 58.849, 356.016

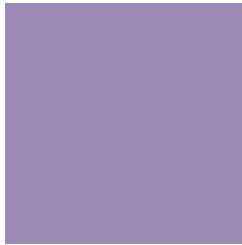


2, 10.988, 346.607



# Previews

## White Background



This preview shows how the CIELCh color 60, 25.354, 308.223 looks on a white background.

## Color Contrast Check

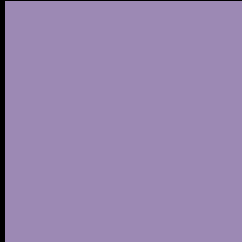
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 25.354, 308.223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

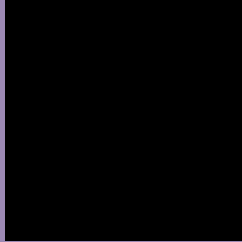
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 60, 25.354, 308.223**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 25.354, 308.223.



This preview shows how white text looks on a background with the CIELCh color 60, 25.354, 308.223.

# 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

60, 25.354, 308.223

### Protanopia

60, 23.275, 285.236

### Deuteranopia

60, 20.914, 291.543





**Tritanopia**  
60, 7.144, 319.641

# Trichromacy



**Original Color**  
60, 25.354, 308.223

**Protanomaly**  
60, 23.204, 293.593

**Deuteranomaly**  
60, 22.220, 298.047

**Tritanomaly**  
60, 13.947, 311.904

# Monochromacy



**Original Color**  
60, 25.354, 308.223

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 9.450, 307.321

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 25.354, 308.223 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(156, 137, 180)` looks like.

```
.text, #text, p{  
    color:rgb(156, 137, 180)  
}
```

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(156, 137, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 137, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 25.354, 308.223 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(156, 137, 180) }
```

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

```
.border{ border-color:rgb(156, 137, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 137, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(156, 137,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 25.354, 308.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 137, 180) }
```

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

```
.background{ background-color: rgb(156,  
137, 180) }
```

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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