

# Converting Colors

CIE LCh(59, 27.601, 325.258)

Have a look what the booklet for  
CIELCh(59, 27.601, 325.258)  
contains.

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# Color

**CIELCh(59, 27.553, 325.042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A981AA
RGB	169, 129, 170
RGB Percent	66%, 51%, 67%
CMY	0.3373, 0.4942, 0.3334
CMYK	0.01, 0.24, 0.00, 0.33
HSL	299°, 19%, 59%
HSV	299°, 24%, 67%
XYZ	31.4572, 27.0277, 41.5767
YIQ	145.6340, 10.6790, 21.2310

# Conversions

## Conversions Part 2

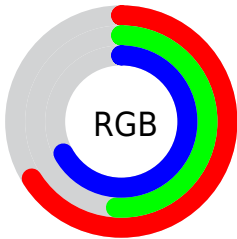
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 129, 170
Decimal	11108778
CIE <sub>Lab</sub>	59.00, 22.58, -15.79
CIE <sub>LCh</sub>	59, 27.553, 325.042
Yxy	27.0277, 0.3144, 0.2701
Android (android.graphics.Color)	4289298858 (0xFFA981AA)
YUV	145.6340, 12.0124, 20.4920
Hunter-Lab	51.9882, 17.0280, -11.0245

# Details

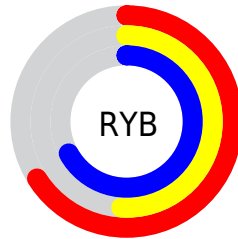
The CIELCh color  $59, 27.553, 325.042$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $66, 27.510, 142.276$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 27.607, 325.481$ , and  $39, 27.765, 324.661$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 38.854, 325.547$ , and if you desaturate by 10%, it is  $63, 16.090, 324.517$ .

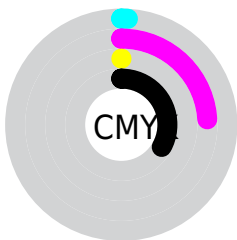
# Distribution



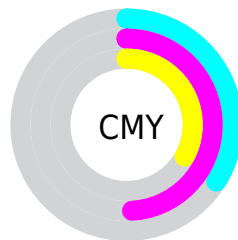
- Red (66%)
- Green (51%)
- Blue (67%)



- Red (66%)
- Yellow (51%)
- Blue (67%)



- Cyan (1%)
- Magenta (24%)
- Yellow (0%)
- Black (33%)




- Cyan (34%)
- Magenta (49%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 27.553, 325.042 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 59, 27.553, 325.042 by changing the saturation by 10% instead.





 59, 27.553,  
325.042

 59, 27.553,  
325.042


 100, 27.553,  
325.042


 49, 27.553,  
325.042


 79, 27.553,  
325.042

 39, 27.553,  
325.042

 89, 27.553,  
325.042

 29, 27.553,  
325.042

 99, 27.553,  
325.042

 19, 27.553,  
325.042

 9, 27.553, 325.042

 0, 27.553, 325.042

59, 27.553,  
325.042

59, 27.553,  
325.042

55, 38.854,  
325.547

63, 16.090,  
324.517

51, 49.721,  
326.019

68, 4.668, 323.960

48, 59.792,  
326.439

72, 6.582, 143.525

45, 68.646,  
326.789

77, 17.578,  
143.002

43, 75.850,  
327.051

82, 28.272,  
142.516

41, 81.062,  
327.213

86, 38.644,  
142.056


40, 84.150,  
327.271

91, 48.687,  
141.624

40, 85.375,

93, 52.702,  
141.386

327.277

 93, 52.621,  
141.272

# Harmonies

# Complementary

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



59, 27.553, 325.042



66, 27.510, 142.276

# Rectangle

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



59, 27.553, 325.042



59, 27.553, 15.042



59, 27.553, 145.042



59, 27.553, 195.042

# Sweetspot

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



59, 27.551, 325.042



84, 9.869, 324.137



56, 22.736, 291.649



45, 6.466, 324.169



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



59, 27.551, 325.042



73, 41.105, 325.319



58, 20.165, 343.943



33, 6.381, 324.256



34, 77.076, 327.288



2, 11.545, 323.522



# Inverse Universe

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



58, 16.899, 19.312



71, 25.724, 19.936



66, 19.667, 159.825



33, 3.723, 17.930



30, 68.154, 38.385



1, 6.578, 17.657



# Previews

## White Background



This preview shows how the CIELCh color 59, 27.553, 325.042 looks on a white background.

## Color Contrast Check

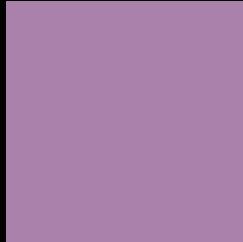
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 27.553, 325.042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

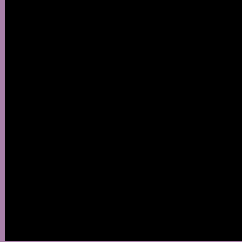
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 27.553, 325.042

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 27.553, 325.042.



This preview shows how white text looks on a background with the CIELCh color 59, 27.553, 325.042.

# 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**  
59, 27.553, 325.042

**Protanopia**  
59, 21.067, 285.041

**Deuteranopia**  
59, 16.551, 297.032





**Tritanopia**  
59, 13.514, 356.241

# Trichromacy



**Original Color**  
59, 27.553, 325.042

**Protanomaly**  
59, 21.876, 300.962

**Deuteranomaly**  
59, 20.374, 309.992

**Tritanomaly**  
59, 17.731, 339.358

# Monochromacy



**Original Color**  
59, 27.553, 325.042

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 10.073, 323.099

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 27.553, 325.042 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(169, 129, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 129, 170)  
}
```

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(169, 129, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 129, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 27.553, 325.042 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(169, 129, 170) }
```

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

```
.border{ border-color:rgb(169, 129, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 129, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 129, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 129, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 129,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 27.553, 325.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 129, 170) }
```

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

```
.background{ background-color: rgb(169,  
129, 170) }
```

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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