

# Converting Colors

CIELCh(65, 8.930, 354.777)

Have a look what the booklet for  
CIELCh(65, 8.930, 354.777) contains.

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# Color

**CIELCh(65, 9.019, 354.792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AD989F
RGB	173, 152, 159
RGB Percent	68%, 60%, 62%
CMY	0.3199, 0.4022, 0.3748
CMYK	0.00, 0.12, 0.08, 0.32
HSL	340°, 11%, 64%
HSV	340°, 12%, 68%
XYZ	34.9231, 34.0472, 37.7274
YIQ	159.0770, 10.2690, 6.6290

# Conversions

## Conversions Part 2

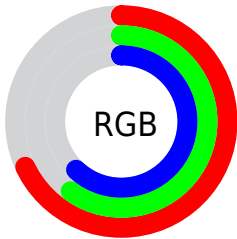
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 152, 159
Decimal	11376799
CIE Lab	65.00, 8.98, -0.82
CIE LCh	65, 9.019, 354.792
Yxy	34.0472, 0.3273, 0.3191
Android (android.graphics.Color)	4289566879 (0xFFAD989F)
YUV	159.0770, -0.0380, 12.2105
Hunter-Lab	58.3500, 4.7219, 2.5098

# Details

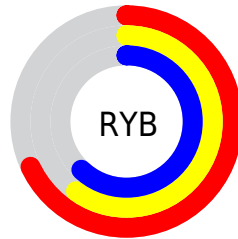
The CIELCh color  $65, 9.019, 354.792$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $69, 8.747, 172.643$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 9.415, 353.627$ , and  $45, 9.310, 354.094$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 16.740, 355.913$ , and if you desaturate by 10%, it is  $70, 1.546, 353.619$ .

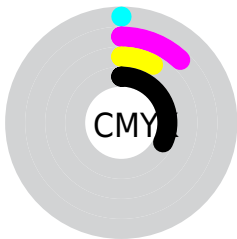
# Distribution



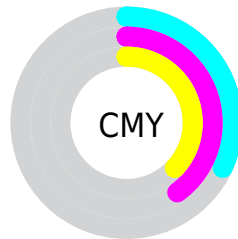
- Red (68%)
- Green (60%)
- Blue (62%)



- Red (68%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (32%)



- Cyan (32%)
- Magenta (40%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 9.019, 354.792 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 65, 9.019, 354.792 by changing the saturation by 10% instead.



65, 9.019, 354.792

65, 9.019, 354.792

100, 9.019,  
354.792

55, 9.019, 354.792

85, 9.019, 354.792

45, 9.019, 354.792

95, 9.019, 354.792

35, 9.019, 354.792

25, 9.019, 354.792

15, 9.019, 354.792

5, 9.019, 354.792

0, 9.019, 354.792

65, 9.019, 354.792

65, 9.019, 354.792

60, 16.740,

70, 1.546, 353.619

355.913

75, 5.630, 173.119

56, 24.626,  
357.193

80, 12.498,  
172.321

51, 32.521,  
358.709

85, 19.065,  
171.626

47, 40.188, 0.544

90, 25.345,  
170.997

44, 47.311, 2.816

94, 30.574,  
171.293

41, 53.528, 5.674

39, 58.534, 9.289

95, 27.808,  
181.904

37, 62.238, 13.798

95, 26.072,  
194.323

36, 64.664, 17.770

95, 25.817,  
197.825

# Harmonies

# Complementary

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



65, 9.019, 354.792



69, 8.747, 172.643

# Rectangle

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



65, 9.019, 354.792



65, 9.019, 44.792



65, 9.019, 174.792



65, 9.019, 224.792

# Sweetspot

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



65, 9.017, 354.798



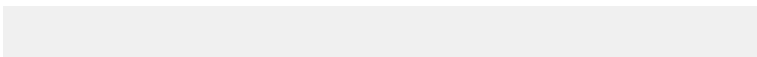
87, 3.619, 353.927



65, 12.863, 315.156



46, 2.572, 354.016



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



65, 9.017, 354.798



80, 13.846, 355.135



66, 7.150, 35.594



34, 4.192, 354.503



31, 58.079, 17.065



2, 8.427, 357.942





# Inverse Universe

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



65, 9.017, 354.798



80, 13.846, 355.135



68, 6.619, 215.928



34, 4.192, 354.503



31, 58.079, 17.065



2, 8.427, 357.942



# Previews

## White Background



This preview shows how the CIELCh color 65, 9.019, 354.792 looks on a white background.

## Color Contrast Check

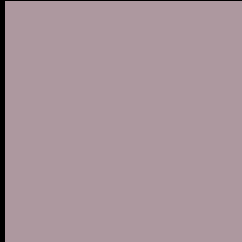
Large Text (above 18pt) WCAG AA × Fail

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 65, 9.019, 354.792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

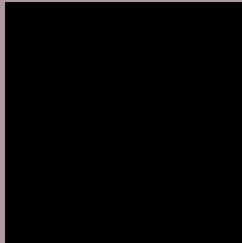
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 9.019, 354.792**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 9.019, 354.792.



This preview shows how white text looks on a background with the CIELCh color 65, 9.019, 354.792.

# 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

65, 9.019, 354.792

### Protanopia

65, 2.896, 305.624

### Deuteranopia

65, 8.078, 355.865



**Tritanopia**  
65, 10.763, 342.259



# Trichromacy



**Original Color**  
65, 9.019, 354.792

**Protanomaly**  
65, 4.816, 335.979

**Deuteranomaly**  
65, 8.436, 357.008

**Tritanomaly**  
65, 10.138, 347.241

# Monochromacy



**Original Color**  
65, 9.019, 354.792

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 3.504, 351.295

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 9.019, 354.792 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(173, 152, 159)` looks like.

```
.text, #text, p{  
    color:rgb(173, 152, 159)  
}
```

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(173, 152, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 152, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 9.019, 354.792 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(173, 152, 159) }
```

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

```
.border{ border-color:rgb(173, 152, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 152, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 152, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 152, 159);  
box-shadow:4px 4px 4px 4px rgb(173, 152,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 9.019, 354.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 152, 159) }
```

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

```
.background{ background-color: rgb(173,  
152, 159) }
```

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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