

# Converting Colors

CIELCh(65, 8.016, 342.392)

Have a look what the booklet for  
CIELCh(65, 8.016, 342.392) contains.

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# Color

**CIELCh(65, 8.239, 342.859)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA99A2
RGB	170, 153, 162
RGB Percent	67%, 60%, 64%
CMY	0.3324, 0.3991, 0.3638
CMYK	0.00, 0.10, 0.05, 0.33
HSL	328°, 9%, 63%
HSV	328°, 10%, 67%
XYZ	34.5998, 34.0472, 39.0391
YIQ	159.1090, 7.2430, 6.4030

# Conversions

## Conversions Part 2

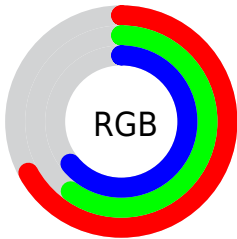
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 153, 162
Decimal	11180450
CIELab	65.00, 7.87, -2.43
CIELCh	65, 8.239, 342.859
Yxy	34.0472, 0.3213, 0.3162
Android (android.graphics.Color)	4289370530 (0xFFAA99A2)
YUV	159.1090, 1.4253, 9.5514
Hunter-Lab	58.3500, 3.7327, 1.1769

# Details

The CIELCh color  $65, 8.239, 342.859$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 8.142, 161.344$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 8.413, 341.356$ , and  $45, 8.153, 344.715$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 16.642, 343.764$ , and if you desaturate by 10%, it is  $70, 0.008, 216.594$ .

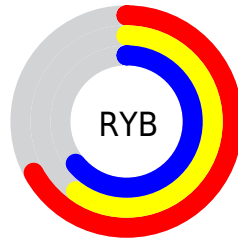
# Distribution



Red (67%)

Green (60%)

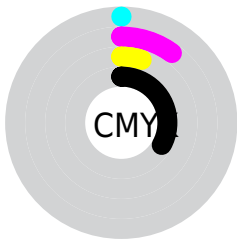
Blue (64%)



Red (67%)

Yellow (60%)

Blue (64%)

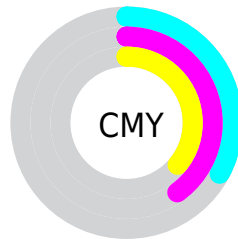


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (40%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 8.239, 342.859 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, 8.239, 342.859 by changing the saturation by 10% instead.



65, 8.239, 342.859

65, 8.239, 342.859

100, 8.239,  
342.859

55, 8.239, 342.859

85, 8.239, 342.859

45, 8.239, 342.859

95, 8.239, 342.859

35, 8.239, 342.859

25, 8.239, 342.859

15, 8.239, 342.859

5, 8.239, 342.859

0, 8.239, 342.859

65, 8.239, 342.859

65, 8.239, 342.859

60, 16.642,

70, 0.008, 216.594

343.764

74, 8.019, 161.417

56, 25.100,  
344.751

79, 15.776,  
160.720

52, 33.430,  
345.861

84, 23.268,  
160.088

48, 41.371,  
347.138

89, 30.498,  
159.503

44, 48.568,  
348.644

94, 37.264,  
159.076

41, 54.608,  
350.467

94, 34.557,  
164.145

39, 59.089,  
352.726

94, 32.112,  
169.994

38, 61.763,  
355.564

94, 30.002,  
176.700

37, 63.030,  
358.976



# Harmonies

# Complementary

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



65, 8.239, 342.859



68, 8.142, 161.344

# Rectangle

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



65, 8.239, 342.859



65, 8.239, 32.859



65, 8.239, 162.859



65, 8.239, 212.859

# Sweetspot

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



65, 8.237, 342.863



87, 3.048, 342.203



64, 9.969, 308.343



46, 2.330, 342.295



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, 8.237, 342.863



81, 12.306, 343.060



65, 6.651, 17.266



33, 4.620, 342.801



31, 56.922, 358.488



2, 7.936, 346.077



# Inverse Universe

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



65, 8.237, 342.863



81, 12.306, 343.060



68, 6.275, 196.089



33, 4.620, 342.801



31, 56.922, 358.488

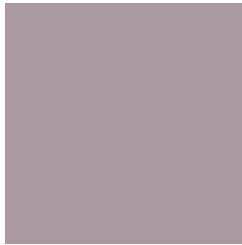


2, 7.936, 346.077



# Previews

## White Background



This preview shows how the CIELCh color 65, 8.239, 342.859 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, 8.239, 342.859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

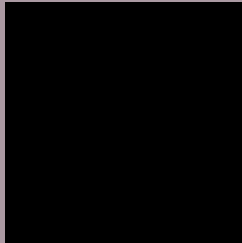
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 8.239, 342.859

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 8.239, 342.859.



This preview shows how white text looks on a background with the CIELCh color 65, 8.239, 342.859.

# 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, 8.239, 342.859


### Protanopia

65, 3.979, 301.500

### Deuteranopia

65, 8.548, 344.479





**Tritanopia**  
65, 9.597, 336.367

# Trichromacy



**Original Color**  
65, 8.239, 342.859

**Protanomaly**  
65, 4.740, 324.626

**Deuteranomaly**  
65, 8.548, 344.479

**Tritanomaly**  
65, 9.227, 338.860

# Monochromacy



**Original Color**  
65, 8.239, 342.859

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 2.852, 343.823

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 8.239, 342.859 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(170, 153, 162)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 162)  
}
```

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(170, 153, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 8.239, 342.859 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(170, 153, 162) }
```

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

```
.border{ border-color:rgb(170, 153, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 162);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 8.239, 342.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 162) }
```

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

```
.background{ background-color: rgb(170,  
153, 162) }
```

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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