

# Converting Colors

CIELCh(65, 10.375, 325.351)

Have a look what the booklet for  
CIELCh(65, 10.375, 325.351)  
contains.

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# **Color**

**CIELCh(65, 10.344, 326.667)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A999A8
RGB	169, 153, 168
RGB Percent	66%, 60%, 66%
CMY	0.3372, 0.4000, 0.3412
CMYK	0.00, 0.09, 0.01, 0.34
HSL	304°, 9%, 63%
HSV	304°, 9%, 66%
XYZ	34.8239, 34.0472, 41.7848
YIQ	159.4940, 4.7210, 8.0570

# Conversions

## Conversions Part 2

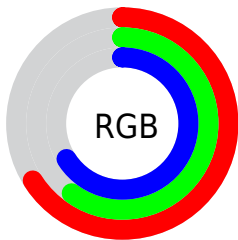
Format	Color
<a href="#">RYB</a>	<a href="#">169, 153, 168</a>
Decimal	<a href="#">11114920</a>
CIELab	<a href="#">65.00, 8.64, -5.68</a>
CIELCh	<a href="#">65, 10.344, 326.667</a>
Yxy	<a href="#">34.0472, 0.3147, 0.3077</a>
Android (android.graphics.Color)	<a href="#">4289305000</a> ( <a href="#">0xFFA999A8</a> )
YUV	<a href="#">159.4940, 4.1935, 8.3368</a>
Hunter-Lab	<a href="#">58.3500, 4.4184, -1.6130</a>

# Details

The CIELCh color  $65, 10.344, 326.667$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 10.324, 145.629$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 10.443, 326.459$ , and  $45, 10.354, 326.958$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 21.355, 327.239$ , and if you desaturate by 10%, it is  $69, 0.571, 146.559$ .

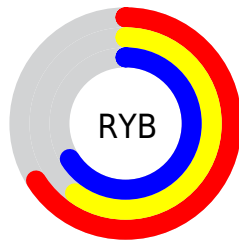
# Distribution



Red (66%)

Green (60%)

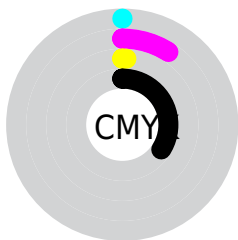
Blue (66%)



Red (66%)

Yellow (60%)

Blue (66%)

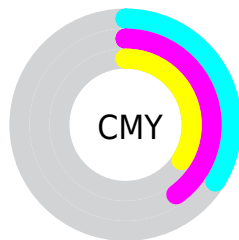


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (34%)



Cyan (34%)

Magenta (40%)


Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.344, 326.667 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, 10.344, 326.667 by changing the saturation by 10% instead.





 65, 10.344,  
326.667


 65, 10.344,  
326.667


 100, 10.344,  
326.667


 55, 10.344,  
326.667


 85, 10.344,  
326.667

 45, 10.344,  
326.667

 95, 10.344,  
326.667

 35, 10.344,  
326.667

 25, 10.344,  
326.667

 15, 10.344,  
326.667

 5, 10.344, 326.667

 0, 10.344, 326.667

65, 10.344,  
326.667

65, 10.344,  
326.667

61, 21.355,  
327.239

69, 0.571, 146.559

57, 32.304,  
327.801

74, 11.279,  
145.620

53, 42.952,  
328.349

79, 21.718,  
145.090

49, 52.979,  
328.872

83, 31.857,  
144.589

46, 61.992,  
329.360

88, 41.682,  
144.115

43, 69.557,  
329.803

93, 51.196,  
143.667


42, 75.280,  
330.196


93, 51.100,  
143.985

40, 78.921,

93, 50.666,  
144.335

330.541

 93, 50.231,  
144.691

 39, 80.794,  
330.852

# Harmonies

# Complementary

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



65, 10.344, 326.667



68, 10.324, 145.629

# Rectangle

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



65, 10.344, 326.667



65, 10.344, 16.667



65, 10.344, 146.667



65, 10.344, 196.667

# Sweetspot

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



65, 10.342, 326.667



86, 4.038, 326.263



64, 8.947, 293.026



45, 3.057, 326.321



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



65, 10.342, 326.667



81, 14.870, 326.768



65, 7.359, 347.199



33, 6.161, 326.657



34, 73.370, 330.838



2, 10.998, 326.868



# Inverse Universe

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



65, 10.342, 326.667



81, 14.870, 326.768



68, 7.246, 165.680



33, 6.161, 326.657



34, 73.370, 330.838

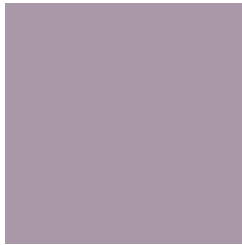


2, 10.998, 326.868



# Previews

## White Background



This preview shows how the CIELCh color 65, 10.344, 326.667 looks on a white background.

## Color Contrast Check

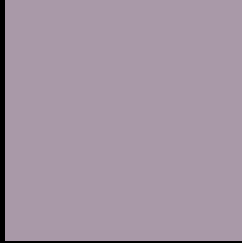
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 65, 10.344, 326.667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

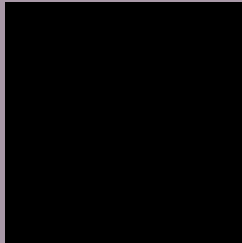
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 10.344, 326.667**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 10.344, 326.667.



This preview shows how white text looks on a background with the CIELCh color 65, 10.344, 326.667.

# 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, 10.344, 326.667


### Protanopia

65, 7.231, 290.948

### Deuteranopia

65, 10.127, 324.900





**Tritanopia**  
65, 9.066, 332.913

# Trichromacy



**Original Color**  
65, 10.344, 326.667

**Protanomaly**  
65, 7.496, 305.318

**Deuteranomaly**  
65, 10.127, 324.900

**Tritanomaly**  
65, 9.478, 330.640

# Monochromacy



**Original Color**  
65, 10.344, 326.667

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 4.062, 324.585

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 10.344, 326.667 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, 153, 168)` looks like.

```
.text, #text, p{  
    color:rgb(169, 153, 168)  
}
```

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, 153, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 153, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 10.344, 326.667 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, 153, 168) }
```

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

```
.border{ border-color:rgb(169, 153, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 153, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 153, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 153, 168);  
box-shadow:4px 4px 4px 4px rgb(169, 153,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 10.344, 326.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 153, 168) }
```

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

```
.background{ background-color: rgb(169,  
153, 168) }
```

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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