

# Converting Colors

CIELCh(63, 11.510, 324.974)

Have a look what the booklet for  
CIELCh(63, 11.510, 324.974)  
contains.

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# Color

**CIELCh(63, 11.538, 324.980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A493A4
RGB	164, 147, 164
RGB Percent	64%, 58%, 64%
CMY	0.3556, 0.4223, 0.3556
CMYK	0.00, 0.10, 0.00, 0.36
HSL	300°, 9%, 61%
HSV	300°, 10%, 64%
XYZ	32.5917, 31.5869, 39.6562
YIQ	154.0210, 4.6750, 8.8910

# Conversions

## Conversions Part 2

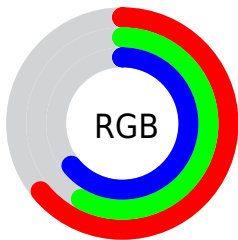
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 147, 164
Decimal	10785700
CIELab	63.00, 9.45, -6.62
CIELCh	63, 11.538, 324.980
Yxy	31.5869, 0.3139, 0.3042
Android (android.graphics.Color)	4288975780 (0xFFA493A4)
YUV	154.0210, 4.9196, 8.7516
Hunter-Lab	56.2022, 5.1583, -2.4934

# Details

The CIELCh color  $63, 11.538, 324.980$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $66, 11.520, 143.861$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 11.563, 324.868$ , and  $43, 11.655, 325.168$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 22.764, 325.526$ , and if you desaturate by 10%, it is  $67, 0.392, 323.894$ .

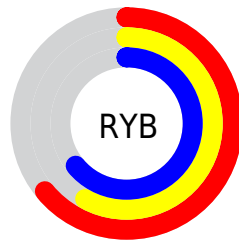
# Distribution



Red (64%)

Green (58%)

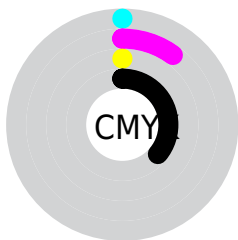
Blue (64%)



Red (64%)

Yellow (58%)

Blue (64%)

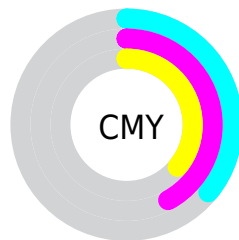


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (36%)



Cyan (36%)

Magenta (42%)


Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 11.538, 324.980 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 63, 11.538, 324.980 by changing the saturation by 10% instead.





 63, 11.538,  
324.980


 63, 11.538,  
324.980


 100, 11.538,  
324.980


 53, 11.538,  
324.980


 83, 11.538,  
324.980

 43, 11.538,  
324.980

 93, 11.538,  
324.980

 33, 11.538,  
324.980

 23, 11.538,  
324.980

 13, 11.538,  
324.980

 3, 11.538, 324.980

 0, 11.538, 324.980

63, 11.538,  
324.980

63, 11.538,  
324.980

59, 22.764,  
325.526

67, 0.392, 323.894

55, 33.903,  
326.055

72, 10.553,  
143.957

51, 44.707,  
326.557

76, 21.229,  
143.435

48, 54.849,  
327.017

81, 31.599,  
142.942

45, 63.937,  
327.419

85, 41.645,  
142.475

42, 71.554,  
327.747

90, 51.367,  
142.035


41, 77.337,  
327.992


93, 56.601,  
141.804

40, 81.083,

93, 56.601,  
141.804

328.148

 93, 56.601,  
141.804

 39, 83.178,  
328.235

# Harmonies

# Complementary

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



63, 11.538, 324.980



66, 11.520, 143.861

# Rectangle

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



63, 11.538, 324.980



63, 11.538, 14.980



63, 11.538, 144.980



63, 11.538, 194.980

# Sweetspot

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



63, 11.536, 324.980



84, 4.134, 324.542



62, 9.566, 291.236



44, 3.129, 324.597



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



63, 11.536, 324.980



79, 16.615, 325.084



63, 8.133, 344.460



32, 6.267, 324.919



34, 76.019, 328.235



2, 9.704, 324.440



# Inverse Universe

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



63, 11.536, 324.980



79, 16.615, 325.084



66, 8.024, 162.842



32, 6.267, 324.919



34, 76.019, 328.235



2, 9.704, 324.440



# Previews

## White Background



This preview shows how the CIELCh color 63, 11.538, 324.980 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 63, 11.538, 324.980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

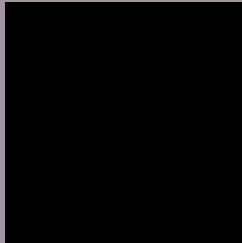
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 11.538, 324.980

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 11.538, 324.980.



This preview shows how white text looks on a background with the CIELCh color 63, 11.538, 324.980.

# 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

63, 11.538, 324.980

### Protanopia

63, 8.961, 291.153

### Deuteranopia

63, 10.451, 321.438





**Tritanopia**  
63, 9.118, 332.931

# Trichromacy



**Original Color**  
63, 11.538, 324.980

**Protanomaly**  
63, 9.270, 305.078

**Deuteranomaly**  
63, 10.648, 323.223

**Tritanomaly**  
63, 9.961, 328.580

# Monochromacy



**Original Color**  
63, 11.538, 324.980

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 4.086, 324.592

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 11.538, 324.980 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(164, 147, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 147, 164)  
}
```

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(164, 147, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 147, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 11.538, 324.980 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(164, 147, 164) }
```

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

```
.border{ border-color:rgb(164, 147, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 147, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 147, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 147, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 147,  
164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 11.538, 324.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 147, 164) }
```

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

```
.background{ background-color: rgb(164,  
147, 164) }
```

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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