

# Converting Colors

CIELCh(66, 14.551, 323.846)

Have a look what the booklet for  
CIELCh(66, 14.551, 323.846)  
contains.

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# **Color**

**CIELCh(66, 14.551, 323.846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF9AB0
RGB	175, 154, 176
RGB Percent	69%, 60%, 69%
CMY	0.3140, 0.3964, 0.3101
CMYK	0.01, 0.13, 0.00, 0.31
HSL	297°, 12%, 65%
HSV	297°, 13%, 69%
XYZ	37.0349, 35.3238, 45.9018
YIQ	162.7870, 5.4540, 11.2940

# Conversions

## Conversions Part 2

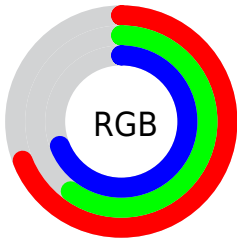
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 154, 176
Decimal	11508400
CIELab	66.00, 11.75, -8.58
CIElCh	66, 14.551, 323.846
Yxy	35.3238, 0.3132, 0.2987
Android (android.graphics.Color)	4289698480 (0xFFAF9AB0)
YUV	162.7870, 6.5140, 10.7108
Hunter-Lab	59.4338, 7.2191, -4.1870

# Details

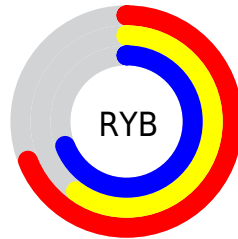
The CIELCh color  $66, 14.551, 323.846$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $70, 14.517, 142.539$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 15.075, 323.848$ , and  $46, 14.621, 322.629$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 26.278, 324.362$ , and if you desaturate by 10%, it is  $71, 2.897, 323.273$ .

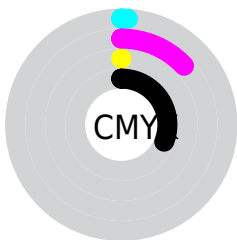
# Distribution



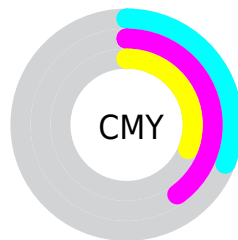
- Red (69%)
- Green (60%)
- Blue (69%)



- Red (69%)
- Yellow (60%)
- Blue (69%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 14.551, 323.846 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 66, 14.551, 323.846 by changing the saturation by 10% instead.



 66, 14.551,  
323.846

 66, 14.551,  
323.846

 100, 14.551,  
323.846


 56, 14.551,  
323.846


 86, 14.551,  
323.846

 46, 14.551,  
323.846

 96, 14.551,  
323.846

 36, 14.551,  
323.846

 26, 14.551,  
323.846

 16, 14.551,  
323.846

 6, 14.551, 323.846

 0, 14.551, 323.846

66, 14.551,  
323.846

66, 14.551,  
323.846

62, 26.278,  
324.362

71, 2.897, 323.273

57, 37.897,  
324.860

75, 8.557, 142.875

53, 49.142,  
325.325

80, 19.739,  
142.375

50, 59.661,  
325.740

85, 30.608,  
141.907

47, 69.024,  
326.083

90, 41.148,  
141.466

44, 76.775,  
326.333

94, 48.743,  
141.093

42, 82.524,  
326.473

94, 48.587,  
140.848

41, 86.074,

94, 48.430,  
140.600

326.494

■ 94, 48.274,  
140.349

■ 40, 87.684,  
326.454

# Harmonies

# Complementary

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



66, 14.551, 323.846



70, 14.517, 142.539

# Rectangle

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



66, 14.551, 323.846



66, 14.551, 13.846



66, 14.551, 143.846



66, 14.551, 193.846

# Sweetspot

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



66, 14.549, 323.846



89, 5.749, 323.383



65, 11.643, 289.458



47, 4.083, 323.428



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



66, 14.549, 323.846



83, 21.696, 323.990



66, 10.771, 342.014



34, 6.498, 323.676



34, 78.140, 326.475



2, 13.566, 322.647



# Inverse Universe

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



65, 8.636, 16.512



82, 12.989, 16.767



70, 10.635, 160.080



34, 3.820, 16.226



31, 68.339, 37.606

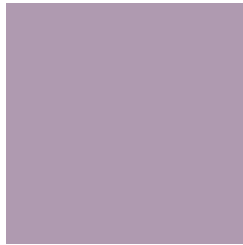


2, 7.819, 16.320



# Previews

## White Background



This preview shows how the CIELCh color 66, 14.551, 323.846 looks on a white background.

## Color Contrast Check

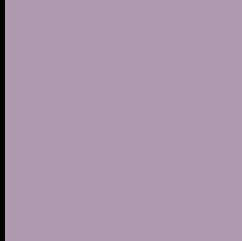
Large Text (above 18pt) WCAG AA × Fail

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 66, 14.551, 323.846 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 66, 14.551, 323.846**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 14.551, 323.846.



This preview shows how white text looks on a background with the CIELCh color 66, 14.551, 323.846.

# 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

66, 14.551, 323.846

### Protanopia

66, 11.093, 289.471

### Deuteranopia

66, 12.153, 314.585





**Tritanopia**  
66, 10.228, 335.650

# Trichromacy



**Original Color**  
66, 14.551, 323.846

**Protanomaly**  
66, 11.978, 303.707

**Deuteranomaly**  
66, 13.139, 318.153

**Tritanomaly**  
66, 11.442, 329.725

# Monochromacy



**Original Color**  
66, 14.551, 323.846

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 5.184, 321.187

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 14.551, 323.846 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(175, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 154, 176)  
}
```

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(175, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 154, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 14.551, 323.846 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(175, 154, 176) }
```

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

```
.border{ border-color:rgb(175, 154, 176) }
```

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

Here you see how a box with a 4 pixel rgb(175, 154, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 154,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 14.551, 323.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 154, 176) }
```

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

```
.background{ background-color: rgb(175,  
154, 176) }
```

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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