

# Converting Colors

CIELCh(65, 19.794, 306.692)

Have a look what the booklet for  
CIELCh(65, 19.794, 306.692)  
contains.

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# **Color**

**CIELCh(65, 19.669, 306.870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A698BA
RGB	166, 152, 186
RGB Percent	65%, 60%, 73%
CMY	0.3495, 0.4044, 0.2711
CMYK	0.11, 0.18, 0.00, 0.27
HSL	265°, 20%, 66%
HSV	265°, 18%, 73%
XYZ	35.7545, 34.0472, 51.0672
YIQ	160.0620, -2.5700, 13.5420

# Conversions

## Conversions Part 2

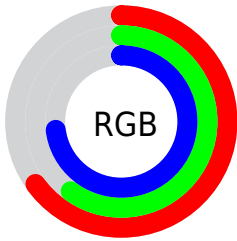
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 152, 186
Decimal	10918074
CIE <sub>Lab</sub>	65.00, 11.80, -15.74
CIE <sub>LCh</sub>	65, 19.669, 306.870
Yxy	34.0472, 0.2958, 0.2817
Android (android.graphics.Color)	4289108154 (0xFFA698BA)
YUV	160.0620, 12.7874, 5.2076
Hunter-Lab	58.3500, 7.2653, -11.0450

# Details

The CIELCh color  $65, 19.669, 306.870$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $74, 19.096, 125.038$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 19.743, 306.864$ , and  $45, 19.826, 306.981$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 30.878, 307.467$ , and if you desaturate by 10%, it is  $71, 8.777, 306.322$ .

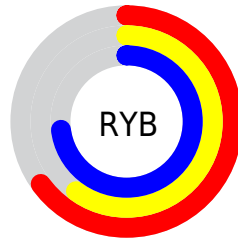
# Distribution



Red (65%)

Green (60%)

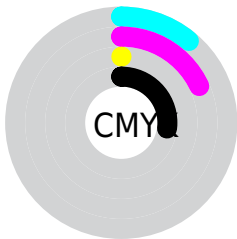
Blue (73%)



Red (65%)

Yellow (60%)

Blue (73%)

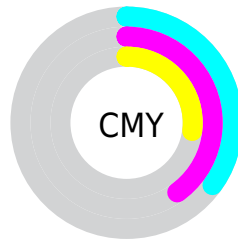


Cyan (11%)

Magenta (18%)

Yellow (0%)

Black (27%)



Cyan (35%)

Magenta (40%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 19.669, 306.870 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, 19.669, 306.870 by changing the saturation by 10% instead.





 65, 19.669,  
306.870


 65, 19.669,  
306.870


 100, 19.669,  
306.870


 55, 19.669,  
306.870


 85, 19.669,  
306.870

 45, 19.669,  
306.870

 95, 19.669,  
306.870

 35, 19.669,  
306.870

 25, 19.669,  
306.870

 15, 19.669,  
306.870

 5, 19.669, 306.870

 0, 19.669, 306.870

65, 19.669,  
306.870

65, 19.669,  
306.870

59, 30.878,  
307.467

71, 8.777, 306.322

54, 42.351,  
308.109

76, 1.772, 125.895

48, 53.964,  
308.774

82, 11.979,  
125.427

43, 65.484,  
309.424

88, 21.853,  
125.049

38, 76.498,  
309.993

93, 31.407,  
124.721

34, 86.356,  
310.377

97, 35.983,  
121.810


30, 94.188,  
310.445


98, 35.126,  
115.367

27, 99.423,

98, 34.764,  
108.575

310.123

 99, 34.755,  
107.530

 27, 100.251,  
310.074

# Harmonies

# Complementary

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



65, 19.669, 306.870



74, 19.096, 125.038

# Rectangle

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



65, 19.669, 306.870



65, 19.669, 356.870



65, 19.669, 126.870



65, 19.669, 176.870

# Sweetspot

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



65, 19.667, 306.869



92, 6.536, 306.155



69, 10.212, 246.137



49, 4.500, 306.192



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



65, 19.667, 306.869



80, 29.523, 307.106



66, 21.967, 322.585



36, 5.949, 306.377



22, 87.747, 310.222



1, 15.760, 302.097



# Inverse Universe

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



66, 16.994, 340.601



82, 25.415, 340.957



72, 21.871, 140.722



36, 5.173, 339.849



34, 60.246, 353.443



3, 12.905, 345.691



# Previews

## White Background



This preview shows how the CIELCh color 65, 19.669, 306.870 looks on a white background.

## Color Contrast Check

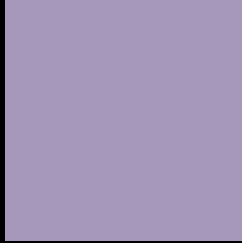
Large Text (above 18pt) WCAG AA × Fail

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, 19.669, 306.870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

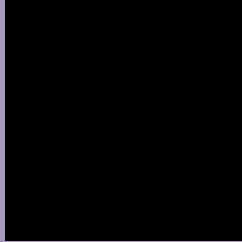
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 19.669, 306.870**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 19.669, 306.870.



This preview shows how white text looks on a background with the CIELCh color 65, 19.669, 306.870.

# 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, 19.669, 306.870


### Protanopia

65, 18.400, 286.692

### Deuteranopia

65, 17.437, 299.009





**Tritanopia**  
65, 7.360, 314.940

# Trichromacy



**Original Color**  
65, 19.669, 306.870

**Protanomaly**  
65, 18.380, 293.190

**Deuteranomaly**  
65, 18.174, 302.203

**Tritanomaly**  
65, 11.782, 309.571

# Monochromacy



**Original Color**  
65, 19.669, 306.870

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 6.952, 306.434

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 19.669, 306.870 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(166, 152, 186)` looks like.

```
.text, #text, p{  
    color:rgb(166, 152, 186)  
}
```

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(166, 152, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 152, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 19.669, 306.870 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(166, 152, 186) }
```

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

```
.border{ border-color:rgb(166, 152, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 152, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 152, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 152, 186);  
box-shadow:4px 4px 4px 4px rgb(166, 152,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 19.669, 306.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 152, 186) }
```

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

```
.background{ background-color: rgb(166,  
152, 186) }
```

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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