

# Converting Colors

CIELCh(65, 6.948, 65.076)

Have a look what the booklet for  
CIELCh(65, 6.948, 65.076) contains.

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# **Color**

**CIELCh(65, 6.880, 65.918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A89C93
RGB	168, 156, 147
RGB Percent	66%, 61%, 58%
CMY	0.3425, 0.3895, 0.4248
CMYK	0.00, 0.07, 0.13, 0.34
HSL	26°, 11%, 62%
HSV	26°, 13%, 66%
XYZ	33.1477, 34.0472, 32.2912
YIQ	158.5620, 10.0410, -0.2550

# Conversions

## Conversions Part 2

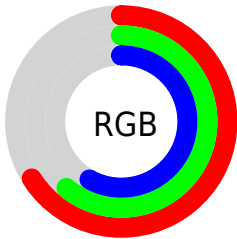
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 163, 147
Decimal	11050131
CIE <sub>Lab</sub>	65.00, 2.81, 6.28
CIE <sub>LCh</sub>	65, 6.880, 65.918
Yxy	34.0472, 0.3332, 0.3422
Android (android.graphics.Color)	4289240211 (0xFFA89C93)
YUV	158.5620, -5.7001, 8.2771
Hunter-Lab	58.3500, -0.7093, 8.0336

# Details

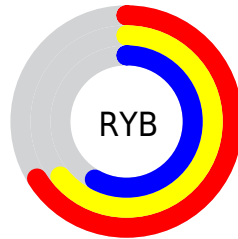
The CIELCh color **65, 6.880, 65.918** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 6.580, 248.886**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 6.742, 63.893**, and **45, 7.152, 67.909** is the 20% darker color. If you saturate the color by 10%, you get **62, 12.740, 64.889**, and if you desaturate by 10%, it is **68, 1.343, 66.788**.

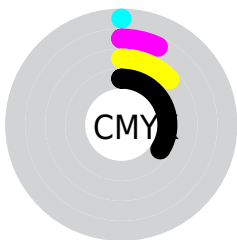
# Distribution



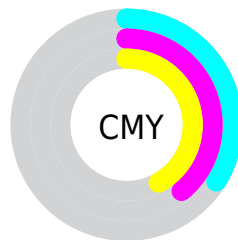
- Red (66%)
- Green (61%)
- Blue (58%)



- Red (66%)
- Yellow (64%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (34%)



- Cyan (34%)
- Magenta (39%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 6.880, 65.918 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, 6.880, 65.918 by changing the saturation by 10% instead.



 65, 6.880, 65.918       65, 6.880, 65.918

 100, 6.880, 65.918       55, 6.880, 65.918

 85, 6.880, 65.918       45, 6.880, 65.918

 95, 6.880, 65.918       35, 6.880, 65.918

 25, 6.880, 65.918

 15, 6.880, 65.918

 5, 6.880, 65.918

 0, 6.880, 65.918

 65, 6.880, 65.918       65, 6.880, 65.918

 62, 12.740, 64.889       68, 1.343, 66.788

59, 18.950, 63.840

71, 3.903, 248.227

56, 25.524, 62.808

74, 8.889, 249.224

54, 32.451, 61.799

77, 13.646,  
250.237

51, 39.669, 60.796

80, 18.200,  
251.229

49, 47.010, 59.745

46, 54.103, 58.511

83, 22.576,  
252.191

44, 60.238, 56.806

86, 23.570,  
244.885

43, 64.255, 55.403

89, 22.963,  
229.564

91, 23.934,  
214.679

# Harmonies

# Complementary

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



65, 6.880, 65.918



65, 6.580, 248.886

# Rectangle

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



65, 6.880, 65.918



65, 6.880, 115.918



65, 6.880, 245.918



65, 6.880, 295.918

# Sweetspot

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



65, 6.880, 65.936



85, 2.642, 66.728



63, 10.611, 340.347



45, 1.897, 66.675



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, 6.880, 65.936



81, 10.240, 65.650



68, 10.568, 105.323



34, 3.091, 66.264



38, 58.428, 55.822



3, 5.407, 60.106





# Inverse Universe

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



65, 6.580, 248.886



81, 9.684, 249.254



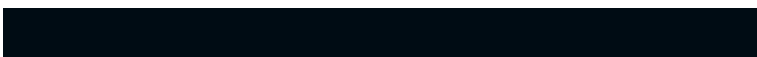
62, 10.816, 287.983



34, 2.994, 248.485



35, 40.992, 275.192



3, 5.786, 255.982



# Previews

## White Background



This preview shows how the CIELCh color 65, 6.880, 65.918 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, 6.880, 65.918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

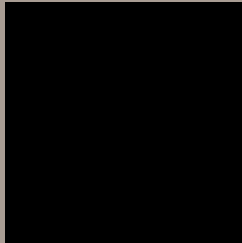
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 6.880, 65.918

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 6.880, 65.918.

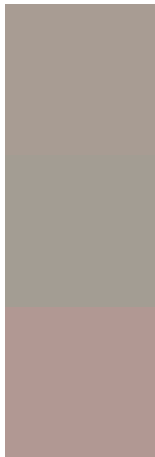


This preview shows how white text looks on a background with the CIELCh color 65, 6.880, 65.918.

# 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, 6.880, 65.918

### Protanopia

65, 6.008, 86.397

### Deuteranopia

65, 10.378, 35.649



**Tritanopia**  
65, 9.327, 334.686



# Trichromacy



**Original Color**  
65, 6.880, 65.918

**Protanomaly**  
65, 6.361, 79.792

**Deuteranomaly**  
65, 9.013, 41.620

**Tritanomaly**  
65, 6.220, 359.072

# Monochromacy



**Original Color**  
65, 6.880, 65.918

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 2.537, 60.239

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 6.880, 65.918 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(168, 156, 147)` looks like.

```
.text, #text, p{  
    color:rgb(168, 156, 147)  
}
```

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(168, 156, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 156, 147) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 6.880, 65.918 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(168, 156, 147) }
```

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

```
.border{ border-color:rgb(168, 156, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 156, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 156, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 156, 147);  
box-shadow:4px 4px 4px 4px rgb(168, 156,  
147) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 6.880, 65.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 156, 147) }
```

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

```
.background{ background-color: rgb(168,  
156, 147) }
```

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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