

# Converting Colors

CIELCh(66, 15.168, 84.302)

Have a look what the booklet for  
CIELCh(66, 15.168, 84.302) contains.

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# Color

**CIELCh(66, 15.111, 84.714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE9F86
RGB	174, 159, 134
RGB Percent	68%, 62%, 53%
CMY	0.3192, 0.3780, 0.4760
CMYK	0.00, 0.09, 0.23, 0.32
HSL	38°, 20%, 60%
HSV	38°, 23%, 68%
XYZ	33.9725, 35.3238, 27.4420
YIQ	160.6350, 16.9650, -4.5950

# Conversions

## Conversions Part 2

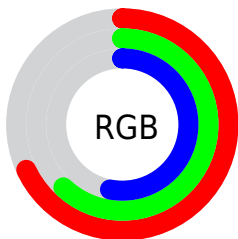
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 174, 134
Decimal	11444102
CIELab	66.00, 1.39, 15.05
CIELCh	66, 15.111, 84.714
Yxy	35.3238, 0.3512, 0.3651
Android (android.graphics.Color)	4289634182 (0xFFAE9F86)
YUV	160.6350, -13.1311, 11.7211
Hunter-Lab	59.4338, -1.9782, 14.2281

# Details

The CIELCh color **66, 15.111, 84.714** is a light color, and the websafe version is hex **999999**. A complement of this color would be **61, 14.856, 271.034**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 15.377, 85.481**, and **46, 15.355, 85.873** is the 20% darker color. If you saturate the color by 10%, you get **64, 21.954, 83.392**, and if you desaturate by 10%, it is **68, 8.435, 86.006**.

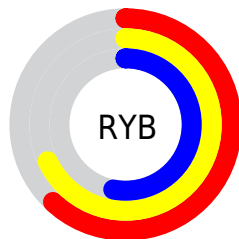
# Distribution



Red (68%)

Green (62%)

Blue (53%)



Red (62%)

Yellow (68%)

Blue (53%)

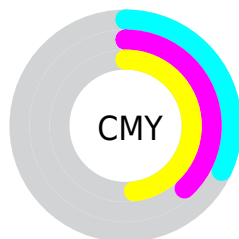


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (32%)



Cyan (32%)

Magenta (38%)

Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 15.111, 84.714 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, 15.111, 84.714 by changing the saturation by 10% instead.



 66, 15.111, 84.714


 66, 15.111, 84.714

 100, 15.111,  
84.714

 56, 15.111, 84.714

 86, 15.111, 84.714

 46, 15.111, 84.714

 96, 15.111, 84.714

 36, 15.111, 84.714

 26, 15.111, 84.714

 16, 15.111, 84.714

 6, 15.111, 84.714

 0, 15.111, 84.714

 66, 15.111, 84.714

 66, 15.111, 84.714

 64, 21.954, 83.392

 68, 8.435, 86.006

62, 28.934, 82.023

70, 1.930, 87.164

60, 35.981, 80.610

72, 4.409, 268.556

58, 42.954, 79.134

75, 10.591,  
269.685

56, 49.575, 77.550

77, 16.628,  
270.788

54, 55.367, 75.756

53, 59.633, 73.573

79, 22.535,  
271.844

52, 61.880, 71.893

82, 28.256,  
272.788

83, 25.711,  
265.335

85, 23.676,  
256.529

# Harmonies

# Complementary

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



66, 15.111, 84.714



61, 14.856, 271.034

# Rectangle

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



66, 15.111, 84.714



66, 15.111, 134.714



66, 15.111, 264.714



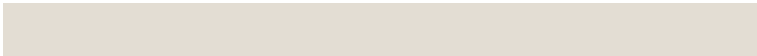
66, 15.111, 314.714

# Sweetspot

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



66, 15.112, 84.722



88, 5.587, 86.728



60, 17.912, 352.700



47, 3.663, 86.659



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, 15.112, 84.722



83, 23.012, 84.000



70, 21.755, 112.961



36, 3.642, 86.467



45, 55.679, 72.291



5, 6.998, 78.552





# Inverse Universe

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



61, 14.856, 271.034



75, 22.520, 272.022



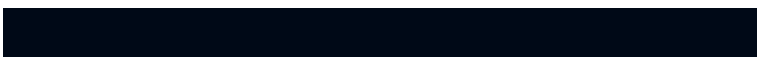
57, 22.914, 296.864



34, 3.626, 268.916



27, 60.563, 293.460

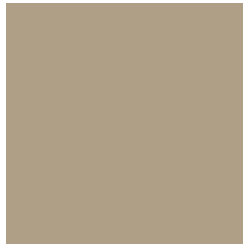


2, 8.201, 273.270



# Previews

## White Background



This preview shows how the CIELCh color 66, 15.111, 84.714 looks on a white background.

## Color Contrast Check

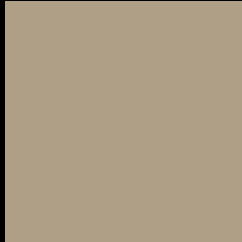
Large Text (above 18pt) WCAG AA × Fail

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, 15.111, 84.714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

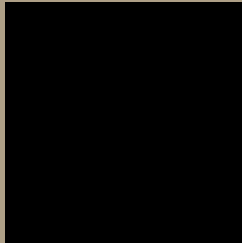
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 15.111, 84.714

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 15.111, 84.714.



This preview shows how white text looks on a background with the CIELCh color 66, 15.111, 84.714.

# 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, 15.111, 84.714

### Protanopia

66, 14.787, 94.282

### Deuteranopia

66, 17.047, 60.254



**Tritanopia**  
66, 11.352, 344.753



# Trichromacy



**Original Color**  
66, 15.111, 84.714

**Protanomaly**  
66, 14.641, 89.138

**Deuteranomaly**  
66, 16.014, 68.829

**Tritanomaly**  
66, 7.933, 28.029

# Monochromacy



**Original Color**  
66, 15.111, 84.714

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 5.487, 84.246

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 15.111, 84.714 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(174, 159, 134)` looks like.

```
.text, #text, p{  
    color:rgb(174, 159, 134)  
}
```

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(174, 159, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 159, 134) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 15.111, 84.714 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(174, 159, 134) }
```

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

```
.border{ border-color:rgb(174, 159, 134) }
```

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

Here you see how a box with a 4 pixel rgb(174, 159, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 159, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 159, 134);  
box-shadow:4px 4px 4px 4px rgb(174, 159,  
134) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 15.111, 84.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 159, 134) }
```

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

```
.background{ background-color: rgb(174,  
159, 134) }
```

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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