

# Converting Colors

CIELCh(66, 12.210, 134.706)

Have a look what the booklet for  
CIELCh(66, 12.210, 134.706)  
contains.

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# Color

**CIELCh(66, 11.684, 134.754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97A491
RGB	151, 164, 145
RGB Percent	59%, 64%, 57%
CMY	0.4066, 0.3556, 0.4302
CMYK	0.08, 0.00, 0.12, 0.36
HSL	101°, 9%, 61%
HSV	101°, 12%, 64%
XYZ	31.2841, 35.3238, 32.0796
YIQ	157.9470, -1.6490, -8.6650

# Conversions

## Conversions Part 2

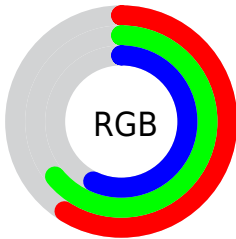
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 164, 158
Decimal	9938065
CIELab	66.00, -8.23, 8.30
CIELCh	66, 11.684, 134.754
Yxy	35.3238, 0.3170, 0.3579
Android (android.graphics.Color)	4288128145 (0xFF97A491)
YUV	157.9470, -6.3829, -6.0925
Hunter-Lab	59.4338, -10.0524, 9.6017

# Details

The CIELCh color  $66, 11.684, 134.754$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $62, 11.800, 315.695$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 11.695, 135.358$ , and  $46, 11.284, 135.293$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 21.839, 134.276$ , and if you desaturate by 10%, it is  $67, 1.571, 135.267$ .

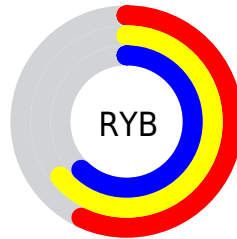
# Distribution



Red (59%)

Green (64%)

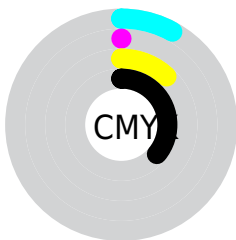
Blue (57%)



Red (57%)

Yellow (64%)

Blue (62%)

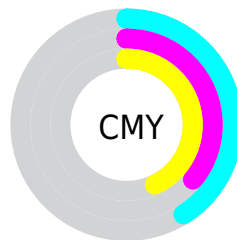


Cyan (8%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (41%)

Magenta (36%)


Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 11.684, 134.754 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, 11.684, 134.754 by changing the saturation by 10% instead.





 66, 11.684,  
134.754


 66, 11.684,  
134.754


 100, 11.684,  
134.754


 56, 11.684,  
134.754


 86, 11.684,  
134.754

 46, 11.684,  
134.754

 96, 11.684,  
134.754

 36, 11.684,  
134.754

 26, 11.684,  
134.754

 16, 11.684,  
134.754

 6, 11.684, 134.754

 0, 11.684, 134.754

66, 11.684,  
134.754

66, 11.684,  
134.754

65, 21.839,  
134.276

67, 1.571, 135.267

64, 31.936,  
133.761

69, 8.438, 315.532

63, 41.846,  
133.225

70, 18.295,  
315.876

62, 51.389,  
132.699

72, 27.968,  
316.170

61, 60.313,  
132.240

73, 37.436,  
316.424

61, 68.280,  
131.935

75, 46.687,  
316.643

60, 74.879,  
131.900


77, 53.215,  
318.039

60, 79.715,

78, 54.589,  
321.872

132.253

 79, 56.170,  
325.568

 59, 82.626,  
132.737

# Harmonies

# Complementary

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



66, 11.684, 134.754



62, 11.800, 315.695

# Rectangle

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



66, 11.684, 134.754



66, 11.684, 184.754



66, 11.684, 314.754



66, 11.684, 4.754

# Sweetspot

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



66, 11.686, 134.756



85, 3.739, 135.159



65, 7.556, 91.007



45, 2.832, 135.117



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



66, 11.686, 134.756



83, 17.564, 134.630



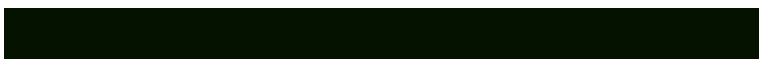
66, 11.334, 149.235



34, 5.676, 134.862



53, 75.394, 132.599



4, 8.898, 136.175



# Inverse Universe

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



62, 11.800, 315.695



77, 17.768, 315.811



62, 11.367, 330.628



32, 5.724, 315.595



26, 78.916, 317.055



1, 8.696, 313.371



# Previews

## White Background



This preview shows how the CIELCh color 66, 11.684, 134.754 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, 11.684, 134.754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

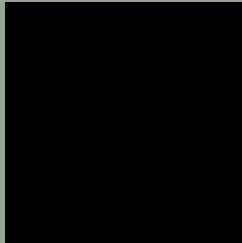
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

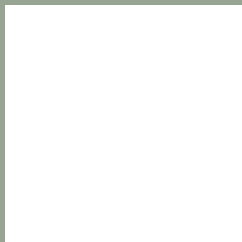
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 66, 11.684, 134.754**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 11.684, 134.754.



This preview shows how white text looks on a background with the CIELCh color 66, 11.684, 134.754.

# 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, 11.684, 134.754

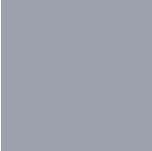
### Protanopia

66, 9.777, 92.570

### Deuteranopia

66, 10.970, 43.813





**Tritanopia**  
66, 7.328, 279.412

# Trichromacy



**Original Color**  
66, 11.684, 134.754

**Protanomaly**  
66, 9.927, 111.408

**Deuteranomaly**  
66, 8.165, 73.682

**Tritanomaly**  
66, 3.039, 209.814

# Monochromacy



**Original Color**  
66, 11.684, 134.754

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 4.181, 131.375

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 11.684, 134.754 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(151, 164, 145)` looks like.

```
.text, #text, p{  
    color:rgb(151, 164, 145)  
}
```

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(151, 164, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 164, 145) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 11.684, 134.754 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(151, 164, 145) }
```

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

```
.border{ border-color:rgb(151, 164, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 164, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 164, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 164, 145);  
box-shadow:4px 4px 4px 4px rgb(151, 164,  
145) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 11.684, 134.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 164, 145) }
```

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

```
.background{ background-color: rgb(151,  
164, 145) }
```

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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