

# Converting Colors

CIELCh(67, 16.712, 135.557)

Have a look what the booklet for  
CIELCh(67, 16.712, 135.557)  
contains.

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# **Color**

**CIELCh(67, 16.812, 136.299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95A98E
RGB	149, 169, 142
RGB Percent	58%, 66%, 56%
CMY	0.4164, 0.3379, 0.4438
CMYK	0.12, 0.00, 0.16, 0.34
HSL	104°, 14%, 61%
HSV	104°, 16%, 66%
XYZ	31.3882, 36.6320, 30.9407
YIQ	159.9420, -3.2530, -12.6370

# Conversions

## Conversions Part 2

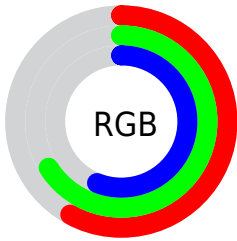
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 169, 162
Decimal	9808270
CIELab	67.00, -12.15, 11.62
CIElCh	67, 16.812, 136.299
Yxy	36.6320, 0.3172, 0.3702
Android (android.graphics.Color)	4287998350 (0xFF95A98E)
YUV	159.9420, -8.8454, -9.5961
Hunter-Lab	60.5244, -13.3468, 12.0574

# Details

The CIELCh color  $67, 16.812, 136.299$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $61, 16.987, 317.675$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 16.569, 136.741$ , and  $47, 16.758, 136.636$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 27.366, 135.776$ , and if you desaturate by 10%, it is  $68, 6.269, 136.784$ .

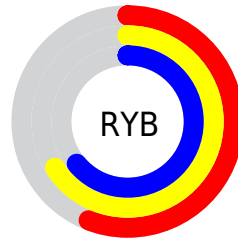
# Distribution



Red (58%)

Green (66%)

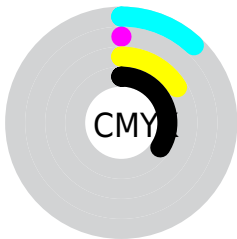
Blue (56%)



Red (56%)

Yellow (66%)

Blue (64%)

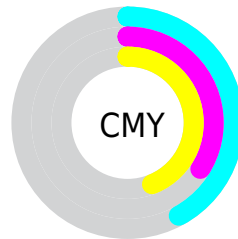


Cyan (12%)

Magenta (0%)

Yellow (16%)

Black (34%)



Cyan (42%)

Magenta (34%)


Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 16.812, 136.299 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 67, 16.812, 136.299 by changing the saturation by 10% instead.




 67, 16.812,  
136.299


 67, 16.812,  
136.299


 100, 16.812,  
136.299


 57, 16.812,  
136.299


 87, 16.812,  
136.299

 47, 16.812,  
136.299


 97, 16.812,  
136.299

 37, 16.812,  
136.299

 27, 16.812,  
136.299

 17, 16.812,  
136.299

 7, 16.812, 136.299

 0, 16.812, 136.299

67, 16.812,  
136.299

67, 16.812,  
136.299

66, 27.366,  
135.776

68, 6.269, 136.784

65, 37.805,  
135.208

70, 4.182, 317.129

64, 47.964,  
134.616

71, 14.478,  
317.518

63, 57.615,  
134.039

73, 24.577,  
317.834

62, 66.451,  
133.545

75, 34.452,  
318.105

62, 74.074,  
133.235

76, 44.088,  
318.336


61, 80.043,  
133.232


78, 51.171,  
319.819

61, 84.058,

79, 52.883,  
324.210

133.618

 80, 53.816,  
326.279

 61, 85.370,  
133.764

# Harmonies

# Complementary

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



67, 16.812, 136.299



61, 16.987, 317.675

# Rectangle

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



67, 16.812, 136.299



67, 16.812, 186.299



67, 16.812, 316.299



67, 16.812, 6.299

# Sweetspot

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



67, 16.814, 136.300



87, 6.468, 136.829



67, 11.267, 94.186



46, 4.409, 136.795



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



67, 16.814, 136.300



84, 24.736, 136.130



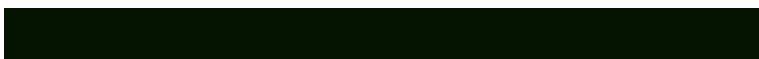
67, 15.473, 150.641



35, 5.919, 136.627



54, 77.335, 133.637



5, 10.896, 138.118



# Inverse Universe

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



61, 16.987, 317.675



76, 25.039, 317.821



62, 15.543, 332.724



33, 5.960, 317.381



28, 79.141, 318.833



1, 10.578, 314.779



# Previews

## White Background



This preview shows how the CIELCh color 67, 16.812, 136.299 looks on a white background.

## Color Contrast Check

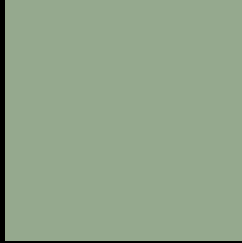
Large Text (above 18pt) WCAG AA × Fail

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 67, 16.812, 136.299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

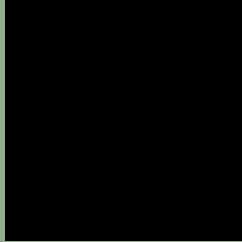
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

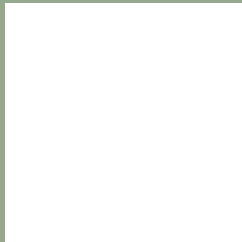
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 16.812, 136.299**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 16.812, 136.299.

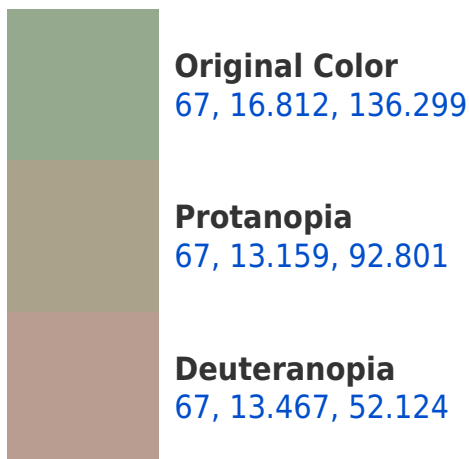


This preview shows how white text looks on a background with the CIELCh color 67, 16.812, 136.299.

# 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







**Tritanopia**  
67, 7.966, 263.934

# Trichromacy



**Original Color**  
67, 16.812, 136.299

**Protanomaly**  
67, 13.190, 110.526

**Deuteranomaly**  
67, 10.847, 85.130

**Tritanomaly**  
67, 5.353, 187.098

# Monochromacy



**Original Color**  
67, 16.812, 136.299

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 6.166, 135.506

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 16.812, 136.299 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(149, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(149, 169, 142)  
}
```

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(149, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 169, 142) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 16.812, 136.299 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(149, 169, 142) }
```

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

```
.border{ border-color:rgb(149, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(149, 169,  
142) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 16.812, 136.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 169, 142) }
```

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

```
.background{ background-color: rgb(149,  
169, 142) }
```

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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