

# Converting Colors

CIELCh(67, 26.626, 129.610)

Have a look what the booklet for  
CIELCh(67, 26.626, 129.610)  
contains.

<b>CIELCh(67, 26.545, 129.816)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(67, 26.545, 129.816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92AB7E
RGB	146, 171, 126
RGB Percent	57%, 67%, 49%
CMY	0.4283, 0.3303, 0.5067
CMYK	0.15, 0.00, 0.26, 0.33
HSL	93°, 21%, 58%
HSV	93°, 26%, 67%
XYZ	30.0870, 36.6320, 25.1509
YIQ	158.3950, -0.4550, -19.2950

# Conversions

## Conversions Part 2

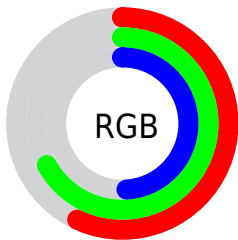
Format	Color
<b>RYB</b>	126, 171, 151
Decimal	9612158
CIELab	67.00, -17.00, 20.39
CIELCh	67, 26.545, 129.816
Yxy	36.6320, 0.3275, 0.3987
Android (android.graphics.Color)	4287802238 (0xFF92AB7E)
YUV	158.3950, -15.9707, -10.8704
Hunter-Lab	60.5244, -17.1843, 17.7291

# Details

The CIELCh color  $67, 26.545, 129.816$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $56, 27.389, 312.161$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 26.316, 129.979$ , and  $47, 26.516, 129.978$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 36.493, 129.336$ , and if you desaturate by 10%, it is  $68, 16.475, 130.290$ .

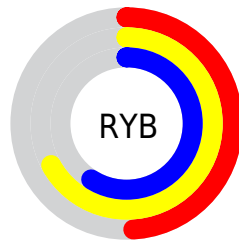
# Distribution



Red (57%)

Green (67%)

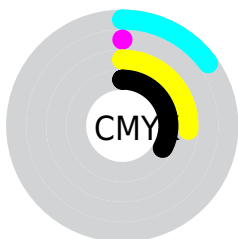
Blue (49%)



Red (49%)

Yellow (67%)

Blue (59%)

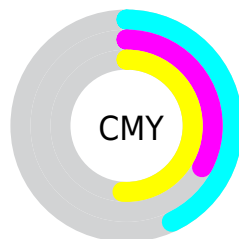


Cyan (15%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (43%)

Magenta (33%)


Yellow (51%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 26.545, 129.816 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, 26.545, 129.816 by changing the saturation by 10% instead.





 67, 26.545,  
129.816


 67, 26.545,  
129.816


 100, 26.545,  
129.816


 57, 26.545,  
129.816


 87, 26.545,  
129.816

 47, 26.545,  
129.816

 97, 26.545,  
129.816

 37, 26.545,  
129.816

 27, 26.545,  
129.816

 17, 26.545,  
129.816

 7, 26.545, 129.816

 0, 26.545, 129.816

67, 26.545,  
129.816

67, 26.545,  
129.816

66, 36.493,  
129.336

68, 16.475,  
130.290

65, 46.172,  
128.874

69, 6.378, 130.744

64, 55.382,  
128.476

70, 3.673, 311.100

64, 63.837,  
128.219

72, 13.629,  
311.494

63, 71.160,  
128.207

73, 23.453,  
311.831

63, 76.930,  
128.564

74, 33.120,  
312.129


62, 80.888,  
129.368

76, 42.614,  
312.392

62, 82.127,

77, 48.300,  
314.111

129.672

 78, 49.324,  
317.704

# Harmonies

# Complementary

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



67, 26.545, 129.816



56, 27.389, 312.161

# Rectangle

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



67, 26.545, 129.816



67, 26.545, 179.816



67, 26.545, 309.816



67, 26.545, 359.816

# Sweetspot

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



67, 26.547, 129.818



87, 9.957, 130.662



63, 16.204, 77.285



46, 7.137, 130.596



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



67, 26.547, 129.818



84, 39.822, 129.518



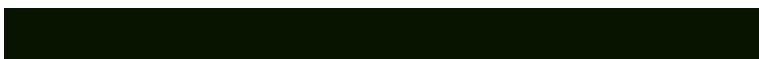
66, 29.384, 144.031



35, 5.628, 130.611



54, 73.742, 129.484



5, 10.433, 133.067



# Inverse Universe

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



56, 27.389, 312.161



68, 41.412, 312.463



58, 29.402, 327.258



33, 5.695, 311.366



23, 82.010, 313.433



1, 10.107, 308.373



# Previews

## White Background



This preview shows how the CIELCh color 67, 26.545, 129.816 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, 26.545, 129.816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

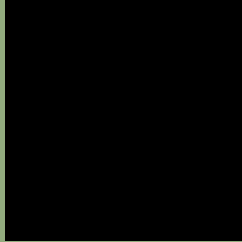
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 26.545, 129.816**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 26.545, 129.816.

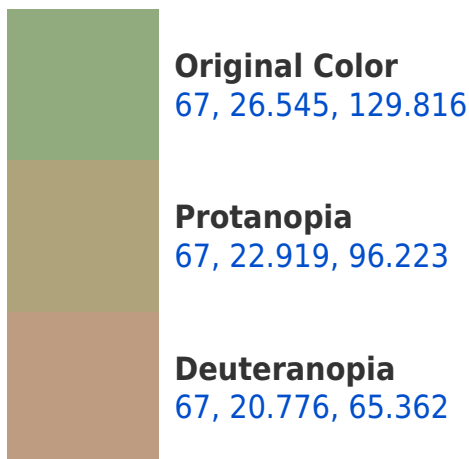


This preview shows how white text looks on a background with the CIELCh color 67, 26.545, 129.816.

# 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, 26.545, 129.816

**Protanomaly**  
67, 23.472, 109.731

**Deuteranomaly**  
67, 18.934, 91.730

**Tritanomaly**  
67, 7.237, 161.225

# Monochromacy



**Original Color**  
67, 26.545, 129.816

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 10.044, 129.656

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 26.545, 129.816 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(146, 171, 126)` looks like.

```
.text, #text, p{  
    color:rgb(146, 171, 126)  
}
```

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(146, 171, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 171, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 26.545, 129.816 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(146, 171, 126) }
```

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

```
.border{ border-color:rgb(146, 171, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 171, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 171, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 171, 126);  
box-shadow:4px 4px 4px 4px rgb(146, 171,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 26.545, 129.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 171, 126) }
```

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

```
.background{ background-color: rgb(146,  
171, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor