

# Converting Colors

CIELCh(67, 28.334, 150.134)

Have a look what the booklet for  
CIELCh(67, 28.334, 150.134)  
contains.

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# **Color**

**CIELCh(67, 28.590, 150.286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CAF89
RGB	124, 175, 137
RGB Percent	49%, 69%, 54%
CMY	0.5146, 0.3147, 0.4637
CMYK	0.29, 0.00, 0.22, 0.31
HSL	135°, 24%, 59%
HSV	135°, 29%, 69%
XYZ	28.0594, 36.6320, 29.1712
YIQ	155.4190, -18.1980, -22.6300

# Conversions

## Conversions Part 2

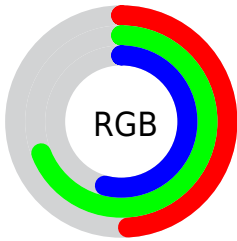
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 165, 175
Decimal	8171401
CIELab	67.00, -24.83, 14.17
CIElCh	67, 28.590, 150.286
Yxy	36.6320, 0.2989, 0.3903
Android (android.graphics.Color)	4286361481 (0xFF7CAF89)
YUV	155.4190, -9.0806, -27.5545
Hunter-Lab	60.5244, -23.1640, 13.7908

# Details

The CIELCh color  $67, 28.590, 150.286$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $58, 28.801, 334.490$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 28.834, 149.788$ , and  $47, 28.511, 150.427$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 38.191, 149.270$ , and if you desaturate by 10%, it is  $68, 18.800, 151.169$ .

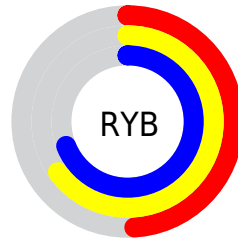
# Distribution



Red (49%)

Green (69%)

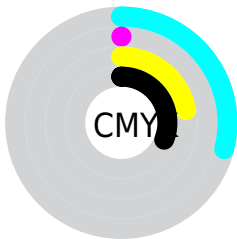
Blue (54%)



Red (49%)

Yellow (65%)

Blue (69%)

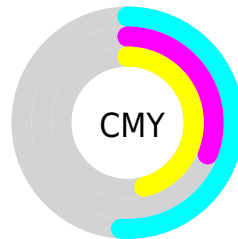


Cyan (29%)

Magenta (0%)

Yellow (22%)

Black (31%)



Cyan (51%)

Magenta (31%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 28.590, 150.286 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, 28.590, 150.286 by changing the saturation by 10% instead.



 67, 28.590,  
150.286

 67, 28.590,  
150.286

 100, 28.590,  
150.286

 57, 28.590,  
150.286

 87, 28.590,  
150.286

 47, 28.590,  
150.286

 97, 28.590,  
150.286

 37, 28.590,  
150.286

 27, 28.590,  
150.286

 17, 28.590,  
150.286

 7, 28.590, 150.286

 0, 28.590, 150.286

67, 28.590,  
150.286

67, 28.590,  
150.286

66, 38.191,  
149.270

68, 18.800,  
151.169

65, 47.426,  
148.101

70, 8.962, 151.947

64, 56.104,  
146.765

72, 0.804, 332.213

63, 64.031,  
145.257

73, 10.414,  
333.130

63, 71.029,  
143.593

75, 19.804,  
333.656

63, 76.952,  
141.819

77, 28.936,  
334.114


62, 81.773,  
140.074

79, 37.787,  
334.522

62, 82.133,

81, 44.557,  
331.676

139.948

 81, 49.757,  
326.521

# Harmonies

# Complementary

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



67, 28.590, 150.286



58, 28.801, 334.490

# Rectangle

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



67, 28.590, 150.286



67, 28.590, 200.286



67, 28.590, 330.286



67, 28.590, 20.286

# Sweetspot

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



67, 28.591, 150.286



88, 10.868, 151.949



69, 28.035, 118.098



47, 7.619, 151.842



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



67, 28.591, 150.286



84, 42.300, 149.649



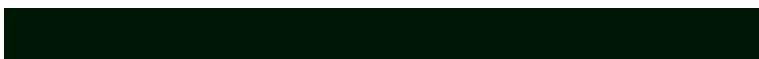
68, 19.661, 176.745



36, 5.493, 151.938



54, 73.151, 140.185



6, 11.978, 150.812



# Inverse Universe

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



58, 28.801, 334.490



71, 42.613, 334.967



57, 21.762, 2.706



34, 5.516, 333.093



33, 64.350, 341.422



2, 10.898, 335.889



# Previews

## White Background



This preview shows how the CIELCh color 67, 28.590, 150.286 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 CIE LCh color 67, 28.590, 150.286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

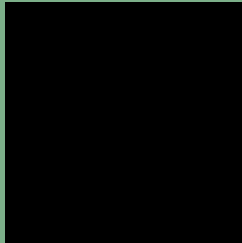
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 28.590, 150.286**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 28.590, 150.286.



This preview shows how white text looks on a background with the CIELCh color 67, 28.590, 150.286.

# 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**  
67, 28.590, 150.286

**Protanopia**  
67, 17.520, 94.811

**Deuteranopia**  
67, 14.847, 53.852





**Tritanopia**  
67, 14.088, 229.362

# Trichromacy



**Original Color**  
67, 28.590, 150.286

**Protanomaly**  
67, 19.361, 123.835

**Deuteranomaly**  
66, 13.194, 108.783

**Tritanomaly**  
67, 14.983, 187.475

# Monochromacy



**Original Color**  
67, 28.590, 150.286

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 10.458, 150.615

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 28.590, 150.286 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(124, 175, 137)` looks like.

```
.text, #text, p{  
    color:rgb(124, 175, 137)  
}
```

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(124, 175, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 175, 137) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 28.590, 150.286 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(124, 175, 137) }
```

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

```
.border{ border-color:rgb(124, 175, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 175, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 175, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 175, 137);  
box-shadow:4px 4px 4px 4px rgb(124, 175,  
137) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 28.590, 150.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 175, 137) }
```

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

```
.background{ background-color: rgb(124,  
175, 137) }
```

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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