

# Converting Colors

CIELCh(67, 30.051, 142.757)

Have a look what the booklet for  
CIELCh(67, 30.051, 142.757)  
contains.

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**Color**

**CIELCh(67, 29.852, 143.313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81AE82
RGB	129, 174, 130
RGB Percent	51%, 68%, 51%
CMY	0.4935, 0.3170, 0.4896
CMYK	0.26, 0.00, 0.25, 0.32
HSL	121°, 22%, 59%
HSV	121°, 26%, 68%
XYZ	28.2856, 36.6320, 26.7545
YIQ	155.5290, -12.6960, -23.2240

# Conversions

## Conversions Part 2

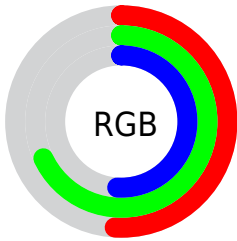
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 173, 174
Decimal	8498818
CIELab	67.00, -23.94, 17.83
CIElCh	67, 29.852, 143.313
Yxy	36.6320, 0.3086, 0.3996
Android (android.graphics.Color)	4286688898 (0xFF81AE82)
YUV	155.5290, -12.5858, -23.2659
Hunter-Lab	60.5244, -22.4970, 16.1582

# Details

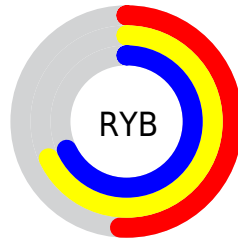
The CIELCh color  $67, 29.852, 143.313$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $60, 29.866, 326.436$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 30.036, 143.123$ , and  $47, 29.900, 143.222$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 41.259, 142.434$ , and if you desaturate by 10%, it is  $68, 18.270, 144.074$ .

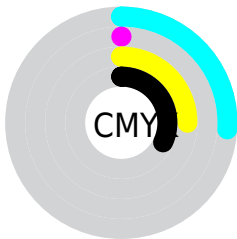
# Distribution



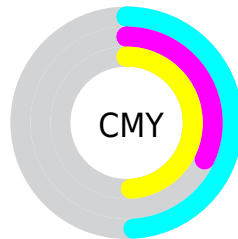
- Red (51%)
- Green (68%)
- Blue (51%)



- Red (51%)
- Yellow (68%)
- Blue (68%)



- Cyan (26%)
- Magenta (0%)
- Yellow (25%)
- Black (32%)



- Cyan (49%)
- Magenta (32%)
- Yellow (49%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 29.852, 143.313 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, 29.852, 143.313 by changing the saturation by 10% instead.





 67, 29.852,  
143.313


 67, 29.852,  
143.313


 100, 29.852,  
143.313


 57, 29.852,  
143.313


 87, 29.852,  
143.313

 47, 29.852,  
143.313

 97, 29.852,  
143.313

 37, 29.852,  
143.313

 27, 29.852,  
143.313

 17, 29.852,  
143.313

 7, 29.852, 143.313

 0, 29.852, 143.313

67, 29.852,  
143.313

67, 29.852,  
143.313

66, 41.259,  
142.434

68, 18.270,  
144.074

65, 52.243,  
141.434

70, 6.694, 144.741

64, 62.501,  
140.328

72, 4.735, 325.203

74, 15.925,  
325.703

63, 71.670,  
139.163

76, 26.813,  
326.104

63, 79.334,  
138.028

78, 37.365,  
326.442

62, 85.069,  
137.052

81, 47.564,  
326.731

62, 88.582,  
136.375

81, 50.555,  
326.170

62, 89.574,



# Harmonies

# Complementary

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



67, 29.852, 143.313



60, 29.866, 326.436

# Rectangle

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



67, 29.852, 143.313



67, 29.852, 193.313



67, 29.852, 323.313



67, 29.852, 13.313

# Sweetspot

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



67, 29.853, 143.313



88, 11.391, 144.592



70, 24.335, 108.437



47, 8.169, 144.495



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, 29.853, 143.313



84, 44.355, 142.827



68, 20.664, 162.232



36, 6.482, 144.516



54, 80.350, 136.247



6, 13.685, 144.927



# Inverse Universe

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



60, 29.866, 326.436



73, 44.344, 326.741



59, 21.386, 346.905



34, 6.492, 325.521



35, 76.641, 329.118



2, 13.551, 325.323



# Previews

## White Background



This preview shows how the CIELCh color 67, 29.852, 143.313 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, 29.852, 143.313 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, 29.852, 143.313

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 29.852, 143.313.



This preview shows how white text looks on a background with the CIELCh color 67, 29.852, 143.313.

# 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, 29.852, 143.313

**Protanopia**  
67, 20.914, 94.207

**Deuteranopia**  
67, 18.103, 61.846





**Tritanopia**  
67, 12.512, 237.157

# Trichromacy



**Original Color**  
67, 29.852, 143.313

**Protanomaly**  
67, 21.579, 116.626

**Deuteranomaly**  
67, 16.545, 102.786

**Tritanomaly**  
67, 13.389, 181.435

# Monochromacy



**Original Color**  
67, 29.852, 143.313

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 11.079, 145.462

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 29.852, 143.313 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(129, 174, 130)` looks like.

```
.text, #text, p{  
    color:rgb(129, 174, 130)  
}
```

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(129, 174, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 174, 130) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 29.852, 143.313 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(129, 174, 130) }
```

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

```
.border{ border-color:rgb(129, 174, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 174, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 174, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 174, 130);  
box-shadow:4px 4px 4px 4px rgb(129, 174,  
130) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 29.852, 143.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 174, 130) }
```

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

```
.background{ background-color: rgb(129,  
174, 130) }
```

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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