

Converting Colors

CIELCh(67, 51.425, 127.523)

Have a look what the booklet for
CIELCh(67, 51.425, 127.523)
contains.

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Color

CIELCh(67, 51.997, 127.694)

Conversions

Conversions Part 1

Format	Color
Hex	81B156
RGB	129, 177, 86
RGB Percent	51%, 69%, 34%
CMY	0.4953, 0.3071, 0.6639
CMYK	0.27, 0.00, 0.51, 0.31
HSL	92°, 37%, 51%
HSV	92°, 51%, 69%
XYZ	26.3356, 36.6320, 14.4260
YIQ	152.2740, 0.6030, -38.4770

Conversions

Conversions Part 2

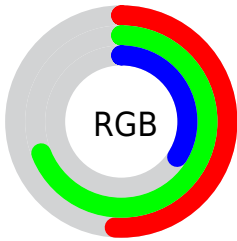
Format	Color
RYB	86, 177, 134
Decimal	8499542
CIELab	67.00, -31.79, 41.14
CIELCh	67, 51.997, 127.694
Yxy	36.6320, 0.3403, 0.4733
Android (android.graphics.Color)	4286689622 (0xFF81B156)
YUV	152.2740, -32.6731, -20.4113
Hunter-Lab	60.5244, -28.2481, 28.2353

Details

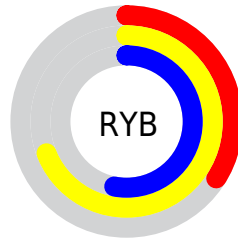
The CIELCh color **67, 51.997, 127.694** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **45, 55.766, 312.498**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 51.951, 127.708**, and **47, 52.026, 127.854** is the 20% darker color. If you saturate the color by 10%, you get **66, 61.018, 127.375**, and if you desaturate by 10%, it is **68, 42.354, 128.123**.

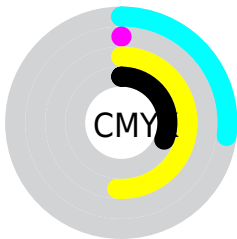
Distribution



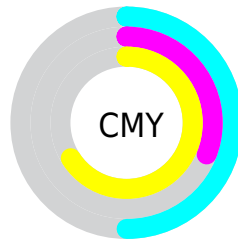
- Red (51%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (53%)



- Cyan (27%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (50%)
- Magenta (31%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.997, 127.694 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, 51.997, 127.694 by changing the saturation by 10% instead.

 67, 51.997,
127.694


 67, 51.997,
127.694


 100, 51.997,
127.694

 57, 51.997,
127.694


 87, 51.997,
127.694

 47, 51.997,
127.694

 97, 51.997,
127.694

 37, 51.997,
127.694

 27, 51.997,
127.694

 17, 51.997,
127.694

 7, 51.997, 127.694

 0, 51.997, 127.694

67, 51.997,
127.694

67, 51.997,
127.694

66, 61.018,
127.375

68, 42.354,
128.123

66, 69.071,
127.252

69, 32.335,
128.595

65, 75.732,
127.447

70, 22.115,
129.075

65, 80.603,
128.077

71, 11.815,
129.542

64, 83.532,
128.875

72, 1.521, 130.041

73, 8.708, 310.350

74, 18.826,
310.719

76, 28.805,
311.047

■ 77, 38.624,
311.338

Harmonies

Complementary

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



67, 51.997, 127.694



45, 55.766, 312.498

Rectangle

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



67, 51.997, 127.694



67, 51.997, 177.694



67, 51.997, 307.694



67, 51.997, 357.694

Sweetspot

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



67, 51.998, 127.695



89, 19.090, 129.368



59, 33.666, 70.686



47, 13.013, 129.272



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, 51.998, 127.695



84, 75.831, 127.339



65, 59.035, 140.674



37, 5.869, 129.640



56, 74.981, 128.689



7, 14.587, 133.530

Inverse Universe

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



45, 55.766, 312.498



52, 82.702, 312.981



51, 58.668, 327.566



35, 5.943, 310.417



24, 84.592, 312.709



1, 13.905, 306.149

Previews

White Background



This preview shows how the CIELCh color 67, 51.997, 127.694 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, 51.997, 127.694 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, 51.997, 127.694

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.997, 127.694.



This preview shows how white text looks on a background with the CIELCh color 67, 51.997, 127.694.

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](#).

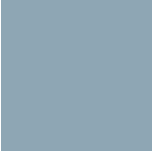
Dichromacy



Original Color
67, 51.997, 127.694

Protanopia
67, 44.491, 95.739

Deuteranopia
67, 40.270, 77.976



Tritanopia
67, 11.270, 242.476

Trichromacy



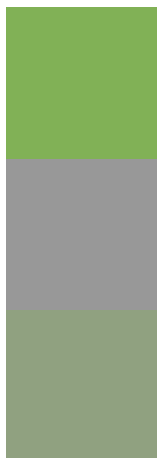
Original Color
67, 51.997, 127.694

Protanomaly
67, 45.174, 109.325

Deuteranomaly
66, 40.052, 99.643

Tritanomaly
67, 18.361, 151.815

Monochromacy



Original Color
67, 51.997, 127.694

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 19.493, 128.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.997, 127.694 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, 177, 86)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 86)  
}
```

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, 177, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.997, 127.694 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, 177, 86) }
```

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

```
.border{ border-color:rgb(129, 177, 86) }
```

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

Here you see how a box with a 4 pixel rgb(129, 177, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 86);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.997, 127.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 86) }
```

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

```
.background{ background-color: rgb(129,  
177, 86) }
```

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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