

Converting Colors

CIELCh(78, 67.217, 135.207)

Have a look what the booklet for
CIELCh(78, 67.217, 135.207)
contains.

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Color

CIELCh(78, 67.477, 135.186)

Conversions

Conversions Part 1

Format	Color
Hex	7DD664
RGB	125, 214, 100
RGB Percent	49%, 84%, 39%
CMY	0.5109, 0.1618, 0.6088
CMYK	0.42, 0.00, 0.53, 0.16
HSL	107°, 58%, 61%
HSV	107°, 53%, 84%
XYZ	34.6851, 53.2120, 20.4366
YIQ	174.3930, -16.4500, -54.3220

Conversions

Conversions Part 2

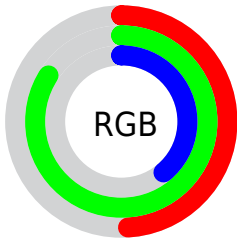
Format	Color
RYB	100, 214, 189
Decimal	8246884
CIELab	78.00, -47.87, 47.56
CIELCh	78, 67.477, 135.186
Yxy	53.2120, 0.3202, 0.4912
Android (android.graphics.Color)	4286436964 (0xFF7DD664)
YUV	174.3930, -36.6757, -43.3177
Hunter-Lab	72.9466, -42.7821, 34.4520

Details

The CIELCh color **78, 67.477, 135.186** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **57, 69.042, 320.436**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.125, 134.183**, and **58, 67.692, 135.180** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.466, 134.590**, and if you desaturate by 10%, it is **79, 55.523, 135.838**.

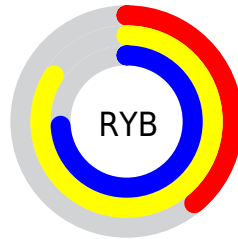
Distribution



Red (49%)

Green (84%)

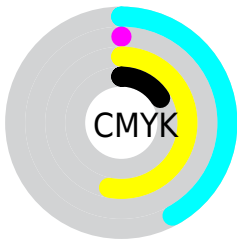
Blue (39%)



Red (39%)

Yellow (84%)

Blue (74%)

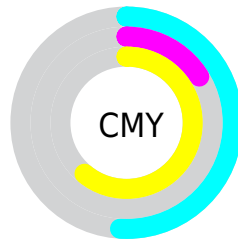


Cyan (42%)

Magenta (0%)

Yellow (53%)

Black (16%)



Cyan (51%)


Magenta (16%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 67.477, 135.186 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 78, 67.477, 135.186 by changing the saturation by 10% instead.

 78, 67.477,
135.186

 78, 67.477,
135.186


 100, 67.477,
135.186


 68, 67.477,
135.186


 98, 67.477,
135.186

 58, 67.477,
135.186

 48, 67.477,
135.186

 38, 67.477,
135.186

 28, 67.477,
135.186

 18, 67.477,
135.186

 8, 67.477, 135.186

0, 67.477, 135.186

78, 67.477,
135.186

78, 67.477,
135.186

77, 78.466,
134.590

79, 55.523,
135.838

76, 87.999,
134.147

80, 42.980,
136.481

76, 95.518,
133.987

82, 30.127,
137.082

75, 100.567,
134.219

83, 17.170,
137.627

75, 102.743,
134.511

85, 4.258, 138.141

87, 8.503, 318.481

89, 21.040,

318.855

90, 25.856,
325.325

Harmonies

Complementary

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



78, 67.477, 135.186



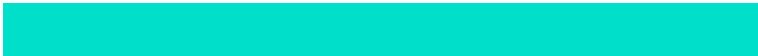
57, 69.042, 320.436

Rectangle

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



78, 67.477, 135.186



78, 67.477, 185.186



78, 67.477, 315.186



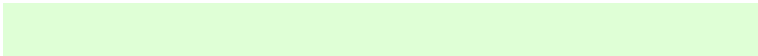
78, 67.477, 5.186

Sweetspot

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



78, 67.478, 135.187



97, 23.812, 137.478



77, 47.269, 91.724



51, 16.086, 137.366



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 67.478, 135.187



90, 91.189, 134.520



77, 59.589, 147.884



44, 7.310, 137.826



61, 86.776, 134.356



14, 30.209, 136.718

Inverse Universe

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



57, 69.042, 320.436



62, 93.311, 320.696



59, 59.649, 336.966



42, 7.355, 318.628



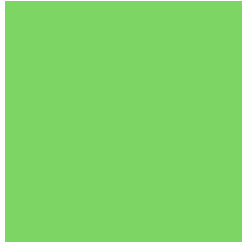
34, 87.471, 320.082



5, 31.354, 319.962

Previews

White Background



This preview shows how the CIELCh color 78, 67.477, 135.186 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 78, 67.477, 135.186 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 78, 67.477, 135.186

Background



This preview shows how black text looks on a background with the CIELCh color 78, 67.477, 135.186.

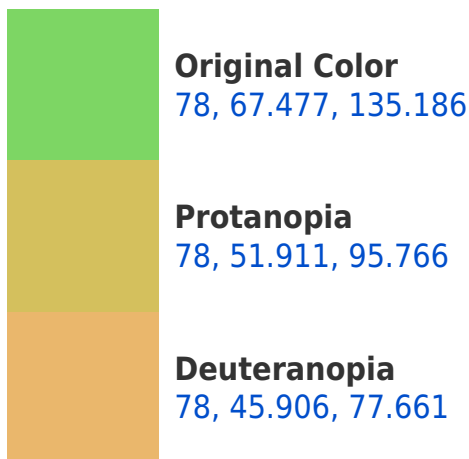


This preview shows how white text looks on a background with the CIELCh color 78, 67.477, 135.186.

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
78, 19.500, 224.527

Trichromacy



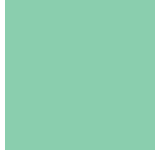
Original Color
78, 67.477, 135.186



Protanomaly
77, 54.348, 114.116



Deuteranomaly
77, 46.254, 105.829

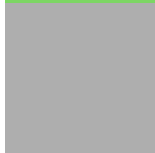


Tritanomaly
78, 29.764, 162.099

Monochromacy



Original Color
78, 67.477, 135.186



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 25.368, 137.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 67.477, 135.186 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(125, 214, 100)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 100)  
}
```

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(125, 214, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 67.477, 135.186 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(125, 214, 100) }
```

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

```
.border{ border-color:rgb(125, 214, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 214, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 214, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 214, 100);  
box-shadow:4px 4px 4px 4px rgb(125, 214,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 67.477, 135.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 100) }
```

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

```
.background{ background-color: rgb(125,  
214, 100) }
```

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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