

Converting Colors

CIELCh(78, 66.540, 140.347)

Have a look what the booklet for
CIELCh(78, 66.540, 140.347)
contains.

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Color

CIELCh(78, 66.451, 140.287)

Conversions

Conversions Part 1

Format	Color
Hex	6FD76E
RGB	111, 215, 110
RGB Percent	44%, 84%, 43%
CMY	0.5640, 0.1561, 0.5680
CMYK	0.48, 0.00, 0.49, 0.16
HSL	119°, 57%, 64%
HSV	119°, 49%, 84%
XYZ	33.7473, 53.2120, 23.2905
YIQ	171.9340, -28.2790, -54.7030

Conversions

Conversions Part 2

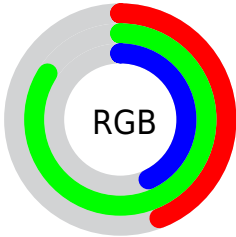
Format	Color
RYB	110, 215, 214
Decimal	7329646
CIELab	78.00, -51.12, 42.46
CIELCh	78, 66.451, 140.287
Yxy	53.2120, 0.3061, 0.4826
Android (android.graphics.Color)	4285519726 (0xFF6FD76E)
YUV	171.9340, -30.5335, -53.4391
Hunter-Lab	72.9466, -45.0769, 32.1324

Details

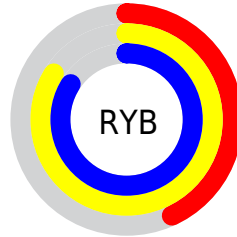
The CIELCh color **78, 66.451, 140.287** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 66.183, 326.698**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 56.257, 140.253**, and **58, 66.341, 140.352** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.305, 139.189**, and if you desaturate by 10%, it is **79, 53.534, 141.309**.

Distribution



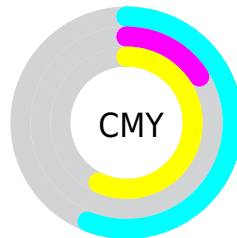
- Red (44%)
- Green (84%)
- Blue (43%)



- Red (43%)
- Yellow (84%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)





- Cyan (56%)
- Magenta (16%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 66.451, 140.287 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, 66.451, 140.287 by changing the saturation by 10% instead.

 78, 66.451,
140.287


 78, 66.451,
140.287


 100, 66.451,
140.287


 68, 66.451,
140.287


 98, 66.451,
140.287

 58, 66.451,
140.287

 48, 66.451,
140.287

 38, 66.451,
140.287

 28, 66.451,
140.287

 18, 66.451,
140.287

 8, 66.451, 140.287

0, 66.451, 140.287

78, 66.451,
140.287

78, 66.451,
140.287

77, 78.305,
139.189

79, 53.534,
141.309

76, 88.587,
138.090

81, 39.970,
142.220

76, 96.734,
137.112

82, 26.092,
143.012

75, 102.237,
136.402

84, 12.156,
143.699

75, 105.058,
136.023

86, 1.649, 324.085

75, 105.324,
135.983

89, 15.192,
324.714

90, 24.945,
325.293

Harmonies

Complementary

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



78, 66.451, 140.287



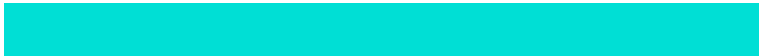
62, 66.183, 326.698

Rectangle

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



78, 66.451, 140.287



78, 66.451, 190.287



78, 66.451, 320.287



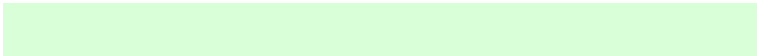
78, 66.451, 10.287

Sweetspot

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



78, 66.452, 140.287



97, 23.857, 143.274



84, 52.498, 104.785



51, 16.290, 143.124



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, 66.452, 140.287



90, 89.976, 139.104



79, 46.286, 157.691



44, 7.811, 143.659



61, 88.671, 135.972



14, 32.068, 140.922

Inverse Universe

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



62, 66.183, 326.698



68, 89.126, 327.130



60, 48.568, 347.838



42, 7.824, 324.674



40, 85.639, 327.852



6, 32.896, 327.705

Previews

White Background



This preview shows how the CIELCh color 78, 66.451, 140.287 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, 66.451, 140.287 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, 66.451, 140.287

Background



This preview shows how black text looks on a background with the CIELCh color 78, 66.451, 140.287.

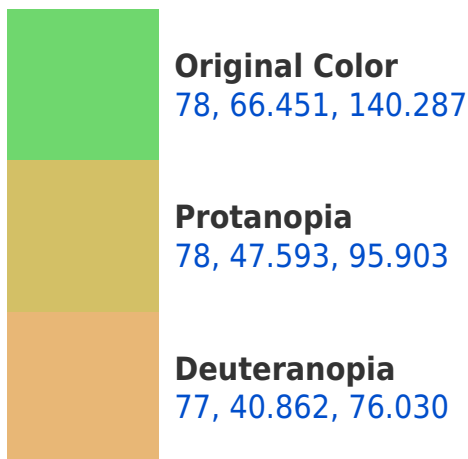


This preview shows how white text looks on a background with the CIELCh color 78, 66.451, 140.287.

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, 23.045, 220.000

Trichromacy



Original Color
78, 66.451, 140.287



Protanomaly
77, 50.134, 117.563



Deuteranomaly
77, 41.910, 110.243

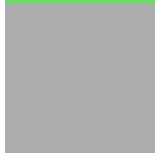


Tritanomaly
77, 31.770, 168.839

Monochromacy



Original Color
78, 66.451, 140.287



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 25.217, 143.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 66.451, 140.287 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(111, 215, 110)` looks like.

```
.text, #text, p{  
    color:rgb(111, 215, 110)  
}
```

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(111, 215, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 215, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 66.451, 140.287 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(111, 215, 110) }
```

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

```
.border{ border-color:rgb(111, 215, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 215, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 215, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 215, 110);  
box-shadow:4px 4px 4px 4px rgb(111, 215,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 66.451, 140.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 215, 110) }
```

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

```
.background{ background-color: rgb(111,  
215, 110) }
```

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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