

Converting Colors

CIELCh(76, 71.103, 142.400)

Have a look what the booklet for
CIELCh(76, 71.103, 142.400)
contains.

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Color

CIELCh(76, 70.784, 142.454)

Conversions

Conversions Part 1

Format	Color
Hex	59D367
RGB	89, 211, 103
RGB Percent	35%, 83%, 40%
CMY	0.6495, 0.1712, 0.5948
CMYK	0.58, 0.00, 0.51, 0.17
HSL	127°, 58%, 59%
HSV	127°, 58%, 83%
XYZ	29.9993, 49.8872, 20.9627
YIQ	162.2100, -38.0440, -59.4520

Conversions

Conversions Part 2

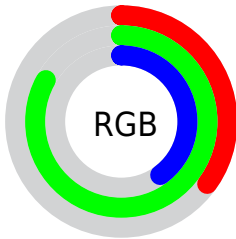
Format	Color
RYB	89, 198, 211
Decimal	5886823
CIELab	76.00, -56.12, 43.14
CIELCh	76, 70.784, 142.454
Yxy	49.8872, 0.2975, 0.4947
Android (android.graphics.Color)	4284076903 (0xFF59D367)
YUV	162.2100, -29.1905, -64.2052
Hunter-Lab	70.6309, -47.7893, 31.8448

Details

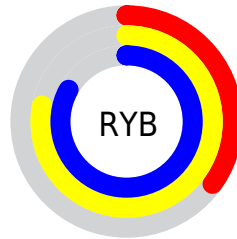
The CIELCh color **76, 70.784, 142.454** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 69.903, 331.109**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 62.953, 142.952**, and **56, 70.630, 142.484** is the 20% darker color. If you saturate the color by 10%, you get **75, 80.846, 141.105**, and if you desaturate by 10%, it is **77, 59.592, 143.689**.

Distribution



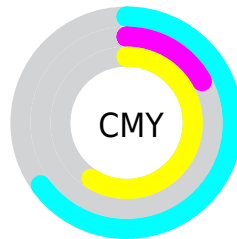
- Red (35%)
- Green (83%)
- Blue (40%)



- Red (35%)
- Yellow (78%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (51%)
- Black (17%)





- Cyan (65%)
- Magenta (17%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 70.784, 142.454 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 76, 70.784, 142.454 by changing the saturation by 10% instead.


 76, 70.784,
142.454


 76, 70.784,
142.454


 100, 70.784,
142.454


 66, 70.784,
142.454


 96, 70.784,
142.454

 56, 70.784,
142.454

 46, 70.784,
142.454

 36, 70.784,
142.454

 26, 70.784,
142.454

 16, 70.784,
142.454

 6, 70.784, 142.454

0, 70.784, 142.454

76, 70.784,
142.454

76, 70.784,
142.454

75, 80.846,
141.105

77, 59.592,
143.689

75, 89.414,
139.701

78, 47.609,
144.783

74, 96.134,
138.344

80, 35.140,
145.735

74, 100.749,
137.182

81, 22.441,
146.556

74, 101.537,
136.987

83, 9.719, 147.272

85, 2.870, 327.735

87, 15.216,

328.331

■ 89, 26.551,
326.604

■ 90, 27.359,
325.377

Harmonies

Complementary

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



76, 70.784, 142.454



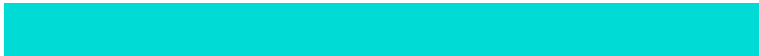
57, 69.903, 331.109

Rectangle

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



76, 70.784, 142.454



76, 70.784, 192.454



76, 70.784, 322.454



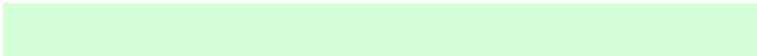
76, 70.784, 12.454

Sweetspot

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



76, 70.785, 142.454



96, 25.078, 146.597



82, 61.188, 109.621



51, 16.784, 146.441



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 70.785, 142.454



89, 95.305, 140.822



77, 47.678, 162.828



43, 7.097, 147.156



60, 85.320, 137.172



13, 28.826, 143.979

Inverse Universe

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



57, 69.903, 331.109



64, 92.569, 331.781



55, 52.908, 357.062



41, 7.112, 328.232



39, 77.450, 333.338



5, 28.499, 331.905

Previews

White Background



This preview shows how the CIELCh color 76, 70.784, 142.454 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 76, 70.784, 142.454 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 76, 70.784, 142.454

Background



This preview shows how black text looks on a background with the CIELCh color 76, 70.784, 142.454.

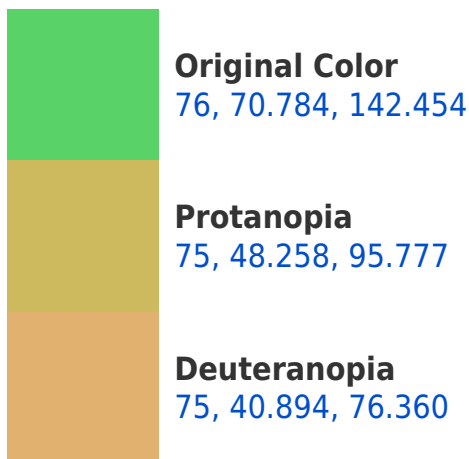


This preview shows how white text looks on a background with the CIELCh color 76, 70.784, 142.454.

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
76, 26.147, 217.142

Trichromacy



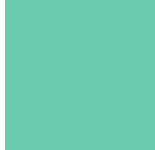
Original Color
76, 70.784, 142.454



Protanomaly
75, 51.928, 120.254



Deuteranomaly
74, 42.361, 113.503



Tritanomaly
75, 35.779, 170.779

Monochromacy



Original Color
76, 70.784, 142.454



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 27.861, 145.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 70.784, 142.454 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(89, 211, 103)` looks like.

```
.text, #text, p{  
    color:rgb(89, 211, 103)  
}
```

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(89, 211, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 211, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 70.784, 142.454 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(89, 211, 103) }
```

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

```
.border{ border-color:rgb(89, 211, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 211, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 211, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 211, 103);  
box-shadow:4px 4px 4px 4px rgb(89, 211,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 70.784, 142.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 211, 103) }
```

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

```
.background{ background-color: rgb(89, 211,  
103) }
```

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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