

Converting Colors

CIELCh(76, 68.417, 141.316)

Have a look what the booklet for
CIELCh(76, 68.417, 141.316)
contains.

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Color

CIELCh(76, 68.389, 141.344)

Conversions

Conversions Part 1

Format	Color
Hex	62D268
RGB	98, 210, 104
RGB Percent	38%, 82%, 41%
CMY	0.6143, 0.1751, 0.5909
CMYK	0.53, 0.00, 0.50, 0.18
HSL	123°, 56%, 61%
HSV	123°, 53%, 82%
XYZ	30.7231, 49.8872, 21.1906
YIQ	164.4280, -32.7260, -56.7100

Conversions

Conversions Part 2

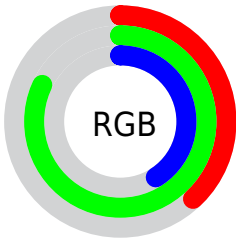
Format	Color
RYB	98, 204, 210
Decimal	6476392
CIELab	76.00, -53.41, 42.72
CIELCh	76, 68.389, 141.344
Yxy	49.8872, 0.3018, 0.4900
Android (android.graphics.Color)	4284666472 (0xFF62D268)
YUV	164.4280, -29.7910, -58.2574
Hunter-Lab	70.6309, -45.9599, 31.6535

Details

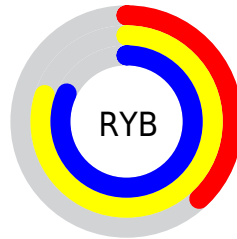
The CIELCh color **76, 68.389, 141.344** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **59, 67.821, 328.800**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 61.220, 141.741**, and **56, 68.152, 141.323** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.240, 140.123**, and if you desaturate by 10%, it is **77, 56.428, 142.472**.

Distribution



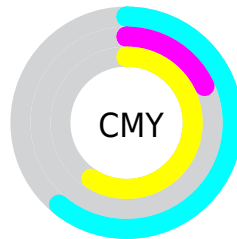
- Red (38%)
- Green (82%)
- Blue (41%)



- Red (38%)
- Yellow (80%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)




- Cyan (61%)
- Magenta (18%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 68.389, 141.344 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, 68.389, 141.344 by changing the saturation by 10% instead.


 76, 68.389,
141.344


 76, 68.389,
141.344


 100, 68.389,
141.344


 66, 68.389,
141.344

 96, 68.389,
141.344

 56, 68.389,
141.344

 46, 68.389,
141.344

 36, 68.389,
141.344

 26, 68.389,
141.344

 16, 68.389,
141.344

 6, 68.389, 141.344

■ 0, 68.389, 141.344

■ 76, 68.389,
141.344

■ 76, 68.389,
141.344

■ 75, 79.240,
140.123

■ 77, 56.428,
142.472

■ 75, 88.539,
138.875

■ 78, 43.738,
143.473

■ 74, 95.830,
137.713

■ 80, 30.645,
144.345

■ 74, 100.724,
136.779

■ 82, 17.407,
145.096

■ 74, 102.670,
136.383

■ 84, 4.224, 145.780

■ 86, 8.760, 326.220

■ 88, 21.446,

326.697

■ 89, 27.987,
325.399

Harmonies

Complementary

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



76, 68.389, 141.344



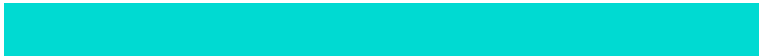
59, 67.821, 328.800

Rectangle

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



76, 68.389, 141.344



76, 68.389, 191.344



76, 68.389, 321.344



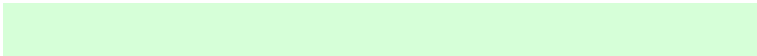
76, 68.389, 11.344

Sweetspot

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



76, 68.390, 141.344



96, 24.627, 144.887



82, 56.627, 107.553



51, 16.638, 144.733



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, 68.390, 141.344



89, 93.327, 139.939



77, 46.363, 160.593



43, 7.407, 145.358



60, 86.725, 136.497



13, 29.738, 142.935

Inverse Universe

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



59, 67.821, 328.800



66, 91.620, 329.323



57, 49.987, 352.749



41, 7.420, 326.402



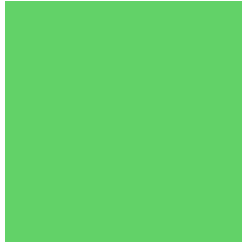
39, 81.226, 330.450



6, 29.880, 329.604

Previews

White Background



This preview shows how the CIELCh color 76, 68.389, 141.344 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, 68.389, 141.344 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, 68.389, 141.344

Background



This preview shows how black text looks on a background with the CIELCh color 76, 68.389, 141.344.

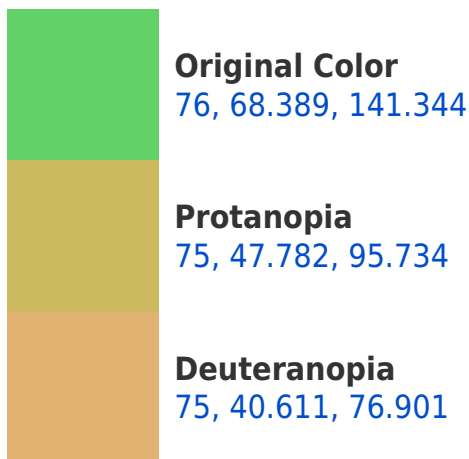


This preview shows how white text looks on a background with the CIELCh color 76, 68.389, 141.344.

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, 24.510, 218.613

Trichromacy



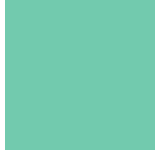
Original Color
76, 68.389, 141.344



Protanomaly
75, 51.144, 119.125



Deuteranomaly
75, 42.223, 112.409

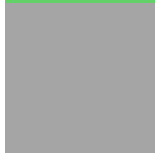


Tritanomaly
75, 33.591, 170.139

Monochromacy



Original Color
76, 68.389, 141.344



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 25.843, 144.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 68.389, 141.344 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(98, 210, 104)` looks like.

```
.text, #text, p{  
    color:rgb(98, 210, 104)  
}
```

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(98, 210, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 210, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 68.389, 141.344 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(98, 210, 104) }
```

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

```
.border{ border-color:rgb(98, 210, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 210, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 210, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 210, 104);  
box-shadow:4px 4px 4px 4px rgb(98, 210,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 68.389, 141.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 210, 104) }
```

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

```
.background{ background-color: rgb(98, 210,  
104) }
```

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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