

Converting Colors

CIELCh(76, 67.865, 142.875)

Have a look what the booklet for
CIELCh(76, 67.865, 142.875)
contains.

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Color

CIELCh(76, 67.999, 142.898)

Conversions

Conversions Part 1

Format	Color
Hex	5ED36C
RGB	94, 211, 108
RGB Percent	37%, 83%, 42%
CMY	0.6326, 0.1737, 0.5775
CMYK	0.56, 0.00, 0.49, 0.17
HSL	127°, 57%, 60%
HSV	127°, 56%, 83%
XYZ	30.5013, 49.8872, 22.1363
YIQ	164.2750, -36.6690, -56.8370

Conversions

Conversions Part 2

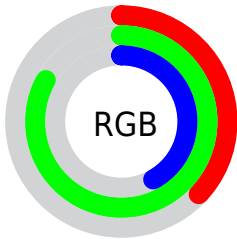
Format	Color
RYB	94, 198, 211
Decimal	6214508
CIELab	76.00, -54.23, 41.02
CIELCh	76, 67.999, 142.898
Yxy	49.8872, 0.2975, 0.4866
Android (android.graphics.Color)	4284404588 (0xFF5ED36C)
YUV	164.2750, -27.7436, -61.6312
Hunter-Lab	70.6309, -46.5205, 30.8596

Details

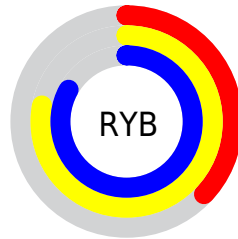
The CIELCh color **76, 67.999, 142.898** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 67.303, 331.188**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 60.161, 143.465**, and **56, 67.967, 142.886** is the 20% darker color. If you saturate the color by 10%, you get **75, 78.289, 141.563**, and if you desaturate by 10%, it is **77, 56.672, 144.107**.

Distribution



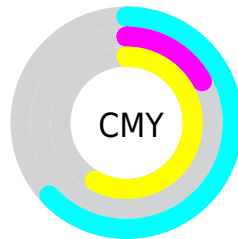
- Red (37%)
- Green (83%)
- Blue (42%)



- Red (37%)
- Yellow (78%)
- Blue (83%)



- Cyan (56%)
- Magenta (0%)
- Yellow (49%)
- Black (17%)




- Cyan (63%)
- Magenta (17%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 67.999, 142.898 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, 67.999, 142.898 by changing the saturation by 10% instead.

 76, 67.999,
142.898

 76, 67.999,
142.898

 100, 67.999,
142.898

 66, 67.999,
142.898


 96, 67.999,
142.898

 56, 67.999,
142.898

 46, 67.999,
142.898

 36, 67.999,
142.898

 26, 67.999,
142.898

 16, 67.999,
142.898

 6, 67.999, 142.898

0, 67.999, 142.898

76, 67.999,
142.898

76, 67.999,
142.898

75, 78.289,
141.563

77, 56.672,
144.107

75, 87.188,
140.151

78, 44.634,
145.173

74, 94.347,
138.752

80, 32.175,
146.097

74, 99.471,
137.494

81, 19.538,
146.894

74, 101.126,
137.063

83, 6.915, 147.599

85, 5.549, 328.081

88, 17.753,

328.615

■ 89, 27.756,
325.391

Harmonies

Complementary

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



76, 67.999, 142.898



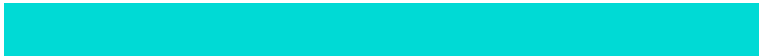
58, 67.303, 331.188

Rectangle

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



76, 67.999, 142.898



76, 67.999, 192.898



76, 67.999, 322.898



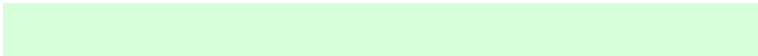
76, 67.999, 12.898

Sweetspot

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



76, 68.000, 142.898



96, 24.977, 146.770



81, 59.108, 110.541



51, 16.717, 146.614



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, 68.000, 142.898



89, 92.817, 141.257



77, 45.367, 164.189



43, 7.069, 147.331



60, 85.157, 137.251



13, 28.741, 144.080

Inverse Universe

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



58, 67.303, 331.188



65, 90.441, 331.889



56, 50.703, 357.787



41, 7.084, 328.411



39, 77.110, 333.626



5, 28.373, 332.134

Previews

White Background



This preview shows how the CIELCh color 76, 67.999, 142.898 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, 67.999, 142.898 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, 67.999, 142.898

Background



This preview shows how black text looks on a background with the CIELCh color 76, 67.999, 142.898.

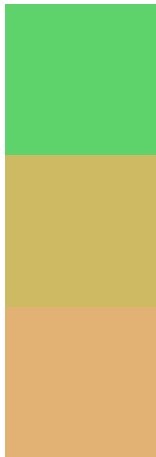


This preview shows how white text looks on a background with the CIELCh color 76, 67.999, 142.898.

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](#).

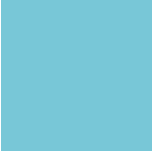
Dichromacy



Original Color
76, 67.999, 142.898

Protanopia
75, 46.346, 95.594

Deuteranopia
76, 39.225, 76.012

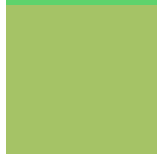


Tritanopia
76, 25.454, 217.735

Trichromacy



Original Color
76, 67.999, 142.898



Protanomaly
75, 49.858, 120.046



Deuteranomaly
74, 40.845, 113.902



Tritanomaly
76, 34.475, 171.810

Monochromacy



Original Color
76, 67.999, 142.898



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 26.088, 146.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 67.999, 142.898 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(94, 211, 108)` looks like.

```
.text, #text, p{  
    color:rgb(94, 211, 108)  
}
```

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(94, 211, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 211, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 67.999, 142.898 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(94, 211, 108) }
```

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

```
.border{ border-color:rgb(94, 211, 108) }
```

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

Here you see how a box with a 4 pixel rgb(94, 211, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 211, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 211, 108);  
box-shadow:4px 4px 4px 4px rgb(94, 211,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 67.999, 142.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 211, 108) }
```

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

```
.background{ background-color: rgb(94, 211,  
108) }
```

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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