

Converting Colors

CIELCh(84, 77.142, 146.512)

Have a look what the booklet for
CIELCh(84, 77.142, 146.512)
contains.

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Color

CIELCh(84, 76.861, 146.520)

Conversions

Conversions Part 1

Format	Color
Hex	51ED7D
RGB	81, 237, 125
RGB Percent	32%, 93%, 49%
CMY	0.6804, 0.0690, 0.5084
CMYK	0.66, 0.00, 0.47, 0.07
HSL	137°, 82%, 63%
HSV	137°, 66%, 93%
XYZ	37.5634, 64.0658, 29.9115
YIQ	177.5880, -57.0240, -67.9040

Conversions

Conversions Part 2

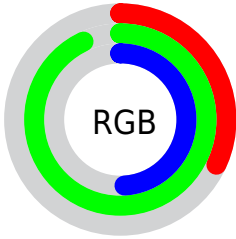
Format	Color
RYB	81, 203, 237
Decimal	5369213
CIELab	84.00, -64.11, 42.40
CIElCh	84, 76.861, 146.520
Yxy	64.0658, 0.2856, 0.4870
Android (android.graphics.Color)	4283559293 (0xFF51ED7D)
YUV	177.5880, -25.9259, -84.7077
Hunter-Lab	80.0411, -56.3015, 33.8720

Details

The CIELCh color **84, 76.861, 146.520** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **60, 75.741, 338.909**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.362, 150.517**, and **64, 74.996, 144.922** is the 20% darker color. If you saturate the color by 10%, you get **83, 85.954, 144.821**, and if you desaturate by 10%, it is **85, 66.652, 148.040**.

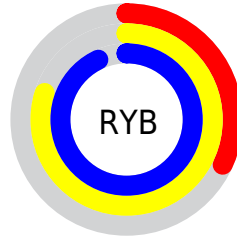
Distribution



Red (32%)

Green (93%)

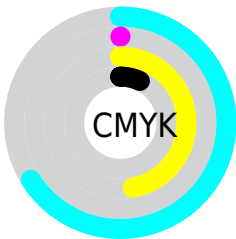
Blue (49%)



Red (32%)

Yellow (80%)

Blue (93%)

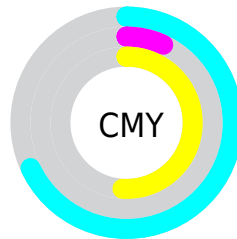


Cyan (66%)

Magenta (0%)

Yellow (47%)

Black (7%)



Cyan (68%)


Magenta (7%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 76.861, 146.520 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 84, 76.861, 146.520 by changing the saturation by 10% instead.


 84, 76.861,
146.520


 84, 76.861,
146.520


 100, 76.861,
146.520


 74, 76.861,
146.520

 64, 76.861,
146.520

 54, 76.861,
146.520

 44, 76.861,
146.520

 34, 76.861,
146.520

 24, 76.861,
146.520

 14, 76.861,

146.520

■ 4, 76.861, 146.520

■ 0, 76.861, 146.520

■ 84, 76.861,
146.520

■ 84, 76.861,
146.520

■ 83, 85.954,
144.821

■ 85, 66.652,
148.040

■ 83, 93.750,
142.976

■ 86, 55.551,
149.376

■ 83, 100.138,
141.058

■ 87, 43.805,
150.538

■ 82, 102.516,
140.273


■ 89, 31.653,
151.546

■ 91, 19.309,

152.423

 93, 6.952, 153.214

 95, 5.280, 333.748

 96, 10.971,
324.795

Harmonies

Complementary

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



84, 76.861, 146.520



60, 75.741, 338.909

Rectangle

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



84, 76.861, 146.520



84, 76.861, 196.520



84, 76.861, 326.520



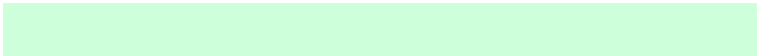
84, 76.861, 16.520

Sweetspot

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



84, 76.862, 146.520



96, 26.135, 152.051



89, 76.529, 116.996



51, 17.832, 151.801



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 76.862, 146.520



89, 93.888, 144.165



85, 49.488, 173.372



49, 7.037, 152.916



65, 83.903, 140.604



20, 33.957, 143.933

Inverse Universe

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



60, 75.741, 338.909



60, 89.129, 340.537



57, 63.712, 11.977



47, 7.070, 334.152



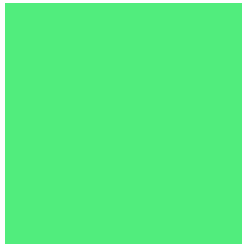
41, 73.008, 343.525



9, 32.736, 340.838

Previews

White Background



This preview shows how the CIELCh color 84, 76.861, 146.520 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 84, 76.861, 146.520 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 84, 76.861, 146.520

Background



This preview shows how black text looks on a background with the CIELCh color 84, 76.861, 146.520.

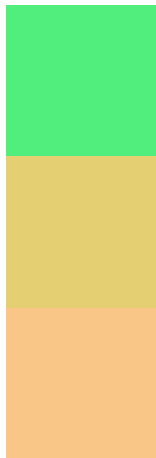


This preview shows how white text looks on a background with the CIELCh color 84, 76.861, 146.520.

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

84, 76.861, 146.520

Protanopia

83, 48.598, 95.957

Deuteranopia

83, 40.030, 74.318

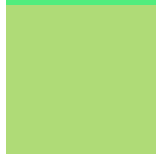


Tritanopia
84, 31.857, 215.008

Trichromacy



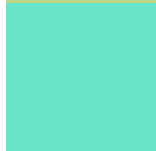
Original Color
84, 76.861, 146.520



Protanomaly
82, 53.996, 124.739



Deuteranomaly
82, 42.890, 118.933

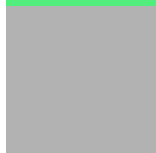


Tritanomaly
84, 41.892, 175.049

Monochromacy



Original Color
84, 76.861, 146.520



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 30.571, 151.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 76.861, 146.520 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(81, 237, 125)` looks like.

```
.text, #text, p{  
    color:rgb(81, 237, 125)  
}
```

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(81, 237, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 237, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 76.861, 146.520 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(81, 237, 125) }
```

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

```
.border{ border-color:rgb(81, 237, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 237, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 237, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 237, 125);  
box-shadow:4px 4px 4px 4px rgb(81, 237,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 76.861, 146.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 237, 125) }
```

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

```
.background{ background-color: rgb(81, 237,  
125) }
```

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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