

Converting Colors

CIELCh(84, 77.464, 140.493)

Have a look what the booklet for
CIELCh(84, 77.464, 140.493)
contains.

CIELCh(84, 77.742, 140.419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 77.742, 140.419)

Conversions

Conversions Part 1

Format	Color
Hex	6CEC6F
RGB	108, 236, 111
RGB Percent	42%, 93%, 44%
CMY	0.5781, 0.0760, 0.5661
CMYK	0.54, 0.00, 0.53, 0.08
HSL	121°, 77%, 67%
HSV	121°, 54%, 92%
XYZ	38.8651, 64.0658, 25.2525
YIQ	183.4780, -36.1630, -66.0110

Conversions

Conversions Part 2

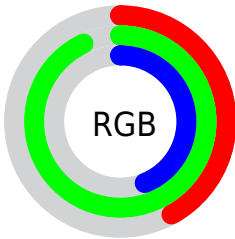
Format	Color
RYB	108, 233, 236
Decimal	7138415
CIELab	84.00, -59.92, 49.53
CIELCh	84, 77.742, 140.419
Yxy	64.0658, 0.3032, 0.4998
Android (android.graphics.Color)	4285328495 (0xFF6CEC6F)
YUV	183.4780, -35.7317, -66.1942
Hunter-Lab	80.0411, -53.3986, 37.3232

Details

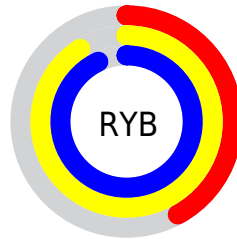
The CIELCh color **84, 77.742, 140.419** is a dark color, and the websafe version is hex **66FF99**. A complement of this color would be **65, 77.078, 327.953**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.614, 141.070**, and **64, 77.833, 140.360** is the 20% darker color. If you saturate the color by 10%, you get **83, 89.513, 139.229**, and if you desaturate by 10%, it is **85, 64.580, 141.544**.

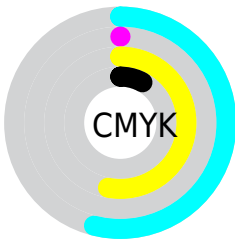
Distribution



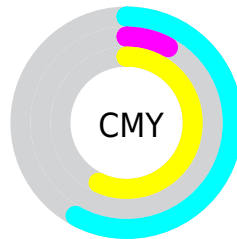
- Red (42%)
- Green (93%)
- Blue (44%)



- Red (42%)
- Yellow (91%)
- Blue (93%)



- Cyan (54%)
- Magenta (0%)
- Yellow (53%)
- Black (8%)



- Cyan (58%)
- Magenta (8%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 77.742, 140.419 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, 77.742, 140.419 by changing the saturation by 10% instead.

 84, 77.742,
140.419

 84, 77.742,
140.419

 100, 77.742,
140.419

 74, 77.742,
140.419

 64, 77.742,
140.419

 54, 77.742,
140.419

 44, 77.742,
140.419

 34, 77.742,
140.419

 24, 77.742,
140.419

 14, 77.742,

140.419

■ 4, 77.742, 140.419

■ 0, 77.742, 140.419

■ 84, 77.742,
140.419

■ 84, 77.742,
140.419

■ 83, 89.513,
139.229

■ 85, 64.580,
141.544

■ 82, 99.343,
138.065

■ 87, 50.502,
142.557

■ 82, 106.672,
137.064

■ 88, 35.904,
143.442

■ 82, 111.105,
136.366

■ 90, 21.103,
144.205

■ 82, 112.428,

■ 92, 6.338, 144.882

136.159

■ 95, 8.217, 325.344

■ 95, 12.100,
324.837

Harmonies

Complementary

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



84, 77.742, 140.419



65, 77.078, 327.953

Rectangle

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



84, 77.742, 140.419



84, 77.742, 190.419



84, 77.742, 320.419



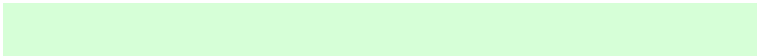
84, 77.742, 10.419

Sweetspot

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



84, 77.743, 140.419



96, 25.128, 144.081



91, 63.130, 105.851



51, 16.977, 143.929



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, 77.743, 140.419



89, 96.113, 139.117



85, 53.250, 158.567



48, 8.309, 144.540



64, 92.173, 136.215



18, 37.780, 138.686

Inverse Universe

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



65, 77.078, 327.953



66, 94.483, 328.396



63, 56.643, 350.823



46, 8.322, 325.588



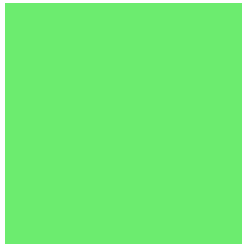
43, 87.711, 329.202



9, 37.662, 329.057

Previews

White Background



This preview shows how the CIELCh color 84, 77.742, 140.419 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, 77.742, 140.419 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, 77.742, 140.419

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.742, 140.419.

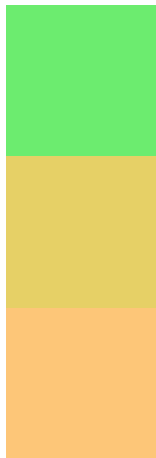


This preview shows how white text looks on a background with the CIELCh color 84, 77.742, 140.419.

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, 77.742, 140.419

Protanopia
83, 54.835, 95.547

Deuteranopia
83, 47.490, 77.013



Tritanopia
84, 27.075, 218.526

Trichromacy



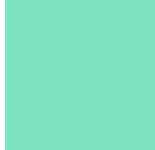
Original Color
84, 77.742, 140.419



Protanomaly
83, 58.563, 118.569



Deuteranomaly
82, 48.883, 111.695

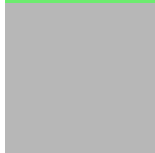


Tritanomaly
84, 38.170, 168.726

Monochromacy



Original Color
84, 77.742, 140.419



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 29.690, 143.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.742, 140.419 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(108, 236, 111)` looks like.

```
.text, #text, p{  
    color:rgb(108, 236, 111)  
}
```

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(108, 236, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 236, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.742, 140.419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

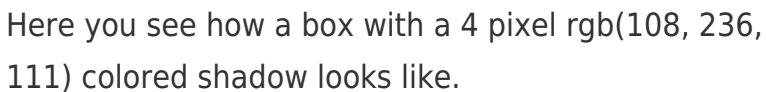
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 236, 111) }
```

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

```
.border{ border-color:rgb(108, 236, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 236, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 236, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 236, 111);  
box-shadow:4px 4px 4px 4px rgb(108, 236,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.742, 140.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 236, 111) }
```

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

```
.background{ background-color: rgb(108,  
236, 111) }
```

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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