

Converting Colors

CIELCh(84, 77.486, 140.049)

Have a look what the booklet for
CIELCh(84, 77.486, 140.049)
contains.

CIELCh(84, 77.285, 139.961)	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, 77.285, 139.961)

Conversions

Conversions Part 1

Format	Color
Hex	6EEB6E
RGB	110, 235, 110
RGB Percent	43%, 92%, 43%
CMY	0.5673, 0.0772, 0.5675
CMYK	0.53, 0.00, 0.53, 0.08
HSL	120°, 76%, 68%
HSV	120°, 53%, 92%
XYZ	39.1005, 64.0658, 25.1396
YIQ	183.3750, -34.3750, -65.3750

Conversions

Conversions Part 2

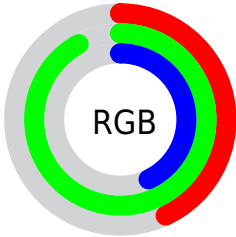
Format	Color
RYB	110, 235, 235
Decimal	7269230
CIELab	84.00, -59.17, 49.72
CIElCh	84, 77.285, 139.961
Yxy	64.0658, 0.3047, 0.4993
Android (android.graphics.Color)	4285459310 (0xFF6EEB6E)
YUV	183.3750, -36.1739, -64.3499
Hunter-Lab	80.0411, -52.8736, 37.4068

Details

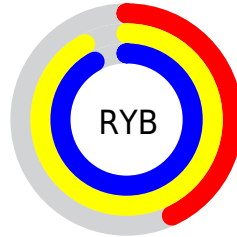
The CIELCh color **84, 77.285, 139.961** is a dark color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 76.747, 327.177**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.648, 140.270**, and **64, 77.326, 139.910** is the 20% darker color. If you saturate the color by 10%, you get **83, 89.316, 138.817**, and if you desaturate by 10%, it is **85, 63.844, 141.052**.

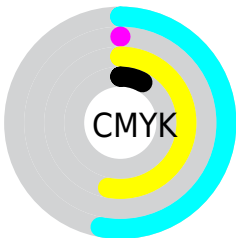
Distribution



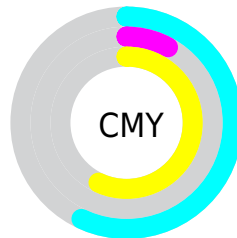
- Red (43%)
- Green (92%)
- Blue (43%)



- Red (43%)
- Yellow (92%)
- Blue (92%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 77.285, 139.961 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, 77.285, 139.961 by changing the saturation by 10% instead.


 84, 77.285,
139.961

 84, 77.285,
139.961


 100, 77.285,
139.961


 74, 77.285,
139.961

 64, 77.285,
139.961

 54, 77.285,
139.961

 44, 77.285,
139.961

 34, 77.285,
139.961

 24, 77.285,
139.961

 14, 77.285,

139.961

■ 4, 77.285, 139.961

■ 0, 77.285, 139.961

■ 84, 77.285,
139.961

■ 84, 77.285,
139.961

■ 83, 89.316,
138.817

■ 85, 63.844,
141.052

■ 82, 99.347,
137.718

■ 87, 49.494,
142.038

■ 82, 106.772,
136.808

■ 88, 34.642,
142.901


■ 82, 111.167,
136.228


■ 90, 19.610,
143.646

■ 82, 112.714,

■ 92, 4.637, 144.321

136.015

 95, 10.105,
324.758

 95, 12.281,
324.843

Harmonies

Complementary

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



84, 77.285, 139.961



66, 76.747, 327.177

Rectangle

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



84, 77.285, 139.961



84, 77.285, 189.961



84, 77.285, 319.961



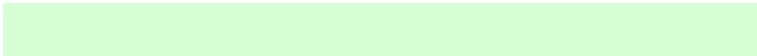
84, 77.285, 9.961

Sweetspot

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



84, 77.286, 139.961



96, 25.537, 143.438



90, 60.955, 104.378



51, 17.253, 143.287



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, 77.286, 139.961



89, 96.257, 138.686



85, 53.697, 157.035



48, 8.444, 143.894



64, 92.619, 136.015



18, 38.234, 138.271

Inverse Universe

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



66, 76.747, 327.177



67, 94.933, 327.598



63, 56.396, 348.524



46, 8.457, 324.934



43, 89.365, 328.220



9, 38.268, 328.222

Previews

White Background



This preview shows how the CIE LCh color 84, 77.285, 139.961 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, 77.285, 139.961 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, 77.285, 139.961

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.285, 139.961.

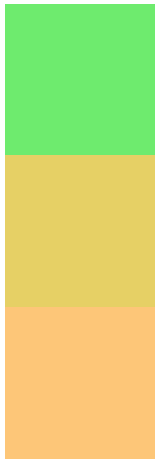


This preview shows how white text looks on a background with the CIELCh color 84, 77.285, 139.961.

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, 77.285, 139.961

Protanopia
83, 55.290, 95.580

Deuteranopia
83, 47.490, 77.013

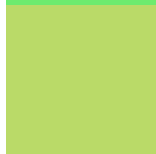


Tritanopia
84, 26.377, 219.155

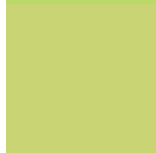
Trichromacy



Original Color
84, 77.285, 139.961



Protanomaly
83, 58.907, 118.067



Deuteranomaly
82, 49.316, 111.130



Tritanomaly
83, 37.247, 168.014

Monochromacy



Original Color
84, 77.285, 139.961



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 30.102, 142.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.285, 139.961 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(110, 235, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 235, 110)  
}
```

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(110, 235, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 235, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.285, 139.961 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(110, 235, 110) }
```

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

```
.border{ border-color:rgb(110, 235, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 235, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 235, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 235, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 235,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.285, 139.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 235, 110) }
```

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

```
.background{ background-color: rgb(110,  
235, 110) }
```

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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