

Converting Colors

CIELCh(84, 78.425, 138.395)

Have a look what the booklet for
CIELCh(84, 78.425, 138.395)
contains.

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Color

CIELCh(84, 78.545, 138.411)

Conversions

Conversions Part 1

Format	Color
Hex	72EB69
RGB	114, 235, 105
RGB Percent	45%, 92%, 41%
CMY	0.5526, 0.0781, 0.5879
CMYK	0.51, 0.00, 0.55, 0.08
HSL	116°, 77%, 67%
HSV	116°, 55%, 92%
XYZ	39.2345, 64.0658, 23.6820
YIQ	184.0010, -30.3860, -66.0820

Conversions

Conversions Part 2

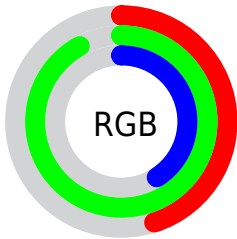
Format	Color
RYB	105, 235, 226
Decimal	7531369
CIELab	84.00, -58.75, 52.14
CIELCh	84, 78.545, 138.411
Yxy	64.0658, 0.3090, 0.5045
Android (android.graphics.Color)	4285721449 (0xFF72EB69)
YUV	184.0010, -38.9475, -61.3909
Hunter-Lab	80.0411, -52.5749, 38.4865

Details

The CIELCh color **84, 78.545, 138.411** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **64, 78.518, 325.148**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 57.000, 137.868**, and **64, 78.349, 138.506** is the 20% darker color. If you saturate the color by 10%, you get **83, 90.230, 137.471**, and if you desaturate by 10%, it is **85, 65.470, 139.354**.

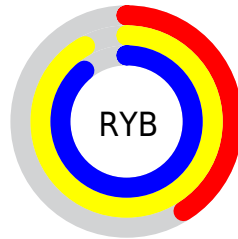
Distribution



Red (45%)

Green (92%)

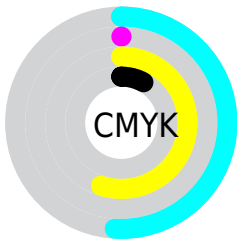
Blue (41%)



Red (41%)

Yellow (92%)

Blue (89%)

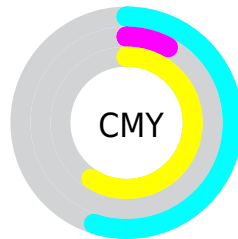


Cyan (51%)

Magenta (0%)

Yellow (55%)

Black (8%)



Cyan (55%)

Magenta (8%)

Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 78.545, 138.411 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, 78.545, 138.411 by changing the saturation by 10% instead.


 84, 78.545,
138.411

 84, 78.545,
138.411


 100, 78.545,
138.411


 74, 78.545,
138.411

 64, 78.545,
138.411

 54, 78.545,
138.411

 44, 78.545,
138.411

 34, 78.545,
138.411

 24, 78.545,
138.411

 14, 78.545,

138.411

■ 4, 78.545, 138.411

■ 0, 78.545, 138.411

■ 84, 78.545,
138.411

■ 84, 78.545,
138.411

■ 83, 90.230,
137.471

■ 85, 65.470,
139.354

■ 82, 99.929,
136.641

■ 86, 51.500,
140.235

■ 82, 107.032,
136.060

■ 88, 37.025,
141.024

■ 82, 111.149,
135.838

■ 90, 22.348,
141.715

■ 82, 112.277,

■ 92, 7.694, 142.329

135.788

■ 94, 6.775, 322.755

■ 95, 12.430,
324.849

Harmonies

Complementary

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



84, 78.545, 138.411



64, 78.518, 325.148

Rectangle

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



84, 78.545, 138.411



84, 78.545, 188.411



84, 78.545, 318.411



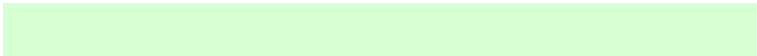
84, 78.545, 8.411

Sweetspot

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



84, 78.546, 138.412



96, 26.537, 141.600



88, 59.687, 100.803



51, 17.761, 141.464



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, 78.546, 138.412



89, 97.082, 137.382



84, 58.870, 153.558



48, 8.256, 142.079



64, 92.241, 135.718



18, 37.631, 137.137

Inverse Universe

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



64, 78.518, 325.148



64, 96.467, 325.462



63, 60.519, 344.883



46, 8.279, 323.028



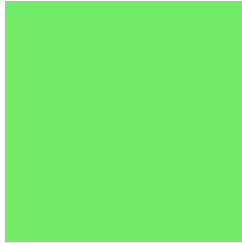
41, 89.724, 325.530



8, 38.392, 325.920

Previews

White Background



This preview shows how the CIELCh color 84, 78.545, 138.411 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, 78.545, 138.411 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, 78.545, 138.411

Background



This preview shows how black text looks on a background with the CIELCh color 84, 78.545, 138.411.

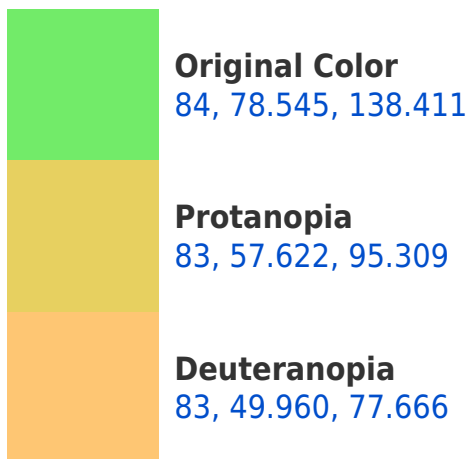


This preview shows how white text looks on a background with the CIELCh color 84, 78.545, 138.411.

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
84, 25.670, 219.811

Trichromacy



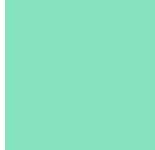
Original Color
84, 78.545, 138.411



Protanomaly
83, 60.911, 116.731



Deuteranomaly
82, 51.135, 109.394

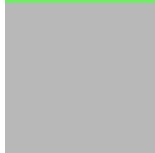


Tritanomaly
83, 37.172, 166.117

Monochromacy



Original Color
84, 78.545, 138.411



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 30.574, 140.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 78.545, 138.411 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(114, 235, 105)` looks like.

```
.text, #text, p{  
    color:rgb(114, 235, 105)  
}
```

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(114, 235, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 235, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 78.545, 138.411 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(114, 235, 105) }
```

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

```
.border{ border-color:rgb(114, 235, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 235, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 235, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 235, 105);  
box-shadow:4px 4px 4px 4px rgb(114, 235,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 78.545, 138.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 235, 105) }
```

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

```
.background{ background-color: rgb(114,  
235, 105) }
```

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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