

Converting Colors

CIELCh(84, 78.138, 130.245)

Have a look what the booklet for
CIELCh(84, 78.138, 130.245)
contains.

CIELCh(84, 78.240, 130.393)	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, 78.240, 130.393)

Conversions

Conversions Part 1

Format	Color
Hex	8FE859
RGB	143, 232, 89
RGB Percent	56%, 91%, 35%
CMY	0.4404, 0.0914, 0.6521
CMYK	0.38, 0.00, 0.62, 0.09
HSL	97°, 75%, 63%
HSV	97°, 62%, 91%
XYZ	41.8331, 64.0658, 19.5472
YIQ	189.0870, -7.1410, -63.3410

Conversions

Conversions Part 2

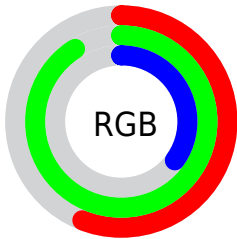
Format	Color
RYB	89, 232, 178
Decimal	9431129
CIELab	84.00, -50.70, 59.59
CIElCh	84, 78.240, 130.393
Yxy	64.0658, 0.3335, 0.5107
Android (android.graphics.Color)	4287621209 (0xFF8FE859)
YUV	189.0870, -49.3429, -40.4183
Hunter-Lab	80.0411, -46.7798, 41.5493

Details

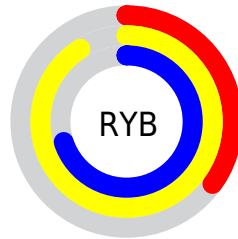
The CIELCh color **84, 78.240, 130.393** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **54, 83.167, 315.787**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 59.049, 126.527**, and **64, 78.512, 130.375** is the 20% darker color. If you saturate the color by 10%, you get **83, 88.359, 130.214**, and if you desaturate by 10%, it is **85, 66.790, 130.772**.

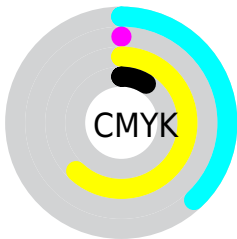
Distribution



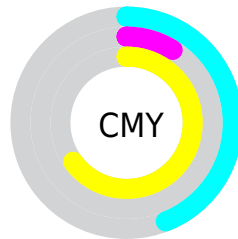
- Red (56%)
- Green (91%)
- Blue (35%)



- Red (35%)
- Yellow (91%)
- Blue (70%)



- Cyan (38%)
- Magenta (0%)
- Yellow (62%)
- Black (9%)



- Cyan (44%)
- Magenta (9%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 78.240, 130.393 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, 78.240, 130.393 by changing the saturation by 10% instead.

 84, 78.240,
130.393

 84, 78.240,
130.393


 100, 78.240,
130.393


 74, 78.240,
130.393

 64, 78.240,
130.393

 54, 78.240,
130.393

 44, 78.240,
130.393

 34, 78.240,
130.393

 24, 78.240,
130.393

 14, 78.240,

130.393

■ 4, 78.240, 130.393

■ 0, 78.240, 130.393

■ 84, 78.240,
130.393

■ 84, 78.240,
130.393

■ 83, 88.359,
130.214

■ 85, 66.790,
130.772

■ 83, 96.577,
130.362

■ 86, 54.479,
131.250

■ 82, 102.397,
130.955

■ 87, 41.656,
131.759


■ 82, 105.519,
131.733


■ 89, 28.566,
132.262

■ 90, 15.384,

132.739

 92, 2.233, 133.238

 93, 10.801,
313.532

 94, 14.557,
324.926

Harmonies

Complementary

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



84, 78.240, 130.393



54, 83.167, 315.787

Rectangle

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



84, 78.240, 130.393



84, 78.240, 180.393



84, 78.240, 310.393



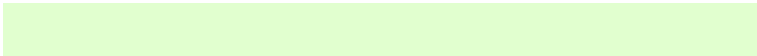
84, 78.240, 0.393

Sweetspot

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



84, 78.241, 130.394



97, 27.013, 132.390



76, 52.976, 78.405



51, 18.594, 132.249



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, 78.241, 130.394



90, 97.592, 130.216



82, 80.576, 141.946



47, 7.396, 132.843



64, 86.563, 131.485



18, 33.504, 131.393

Inverse Universe

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



54, 83.167, 315.787



53, 104.598, 315.947



61, 79.172, 331.442



45, 7.473, 313.610



31, 93.010, 315.063



5, 36.350, 315.397

Previews

White Background



This preview shows how the CIELCh color 84, 78.240, 130.393 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, 78.240, 130.393 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, 78.240, 130.393

Background



This preview shows how black text looks on a background with the CIELCh color 84, 78.240, 130.393.

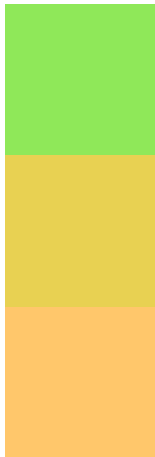


This preview shows how white text looks on a background with the CIELCh color 84, 78.240, 130.393.

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, 78.240, 130.393

Protanopia
84, 64.030, 95.676

Deuteranopia
84, 53.919, 79.360



Tritanopia
84, 18.538, 227.546

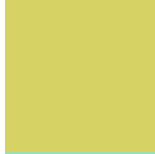
Trichromacy



Original Color
84, 78.240, 130.393



Protanomaly
83, 65.927, 110.738



Deuteranomaly
83, 56.138, 103.933

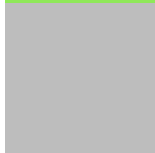


Tritanomaly
83, 31.682, 154.371

Monochromacy



Original Color
84, 78.240, 130.393



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 30.314, 132.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 78.240, 130.393 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(143, 232, 89)` looks like.

```
.text, #text, p{  
    color:rgb(143, 232, 89)  
}
```

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(143, 232, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 232, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 78.240, 130.393 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(143, 232, 89) }
```

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

```
.border{ border-color:rgb(143, 232, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 232, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 232, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 232, 89);  
box-shadow:4px 4px 4px 4px rgb(143, 232,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 78.240, 130.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 232, 89) }
```

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

```
.background{ background-color: rgb(143,  
232, 89) }
```

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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