

Converting Colors

CIELCh(84, 78.318, 149.643)

Have a look what the booklet for
CIELCh(84, 78.318, 149.643)
contains.

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Color

CIELCh(84, 78.392, 149.609)

Conversions

Conversions Part 1

Format	Color
Hex	38EF83
RGB	56, 239, 131
RGB Percent	22%, 94%, 51%
CMY	0.7818, 0.0636, 0.4870
CMYK	0.77, 0.00, 0.45, 0.06
HSL	145°, 85%, 58%
HSV	145°, 77%, 94%
XYZ	36.4950, 64.0658, 31.8439
YIQ	171.9710, -74.4000, -72.3840

Conversions

Conversions Part 2

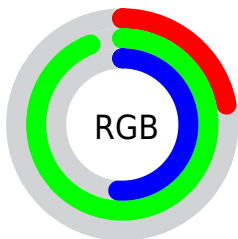
Format	Color
RYB	56, 186, 239
Decimal	3731331
CIELab	84.00, -67.62, 39.66
CIElCh	84, 78.392, 149.609
Yxy	64.0658, 0.2756, 0.4839
Android (android.graphics.Color)	4281921411 (0xFF38EF83)
YUV	171.9710, -20.1987, -101.7066
Hunter-Lab	80.0411, -58.6842, 32.4405

Details

The CIELCh color **84, 78.392, 149.609** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **56, 77.494, 348.112**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.283, 155.498**, and **65, 73.710, 146.095** is the 20% darker color. If you saturate the color by 10%, you get **84, 85.402, 147.579**, and if you desaturate by 10%, it is **85, 70.317, 151.440**.

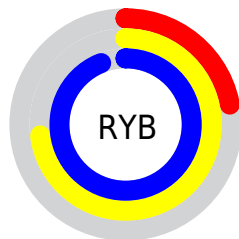
Distribution



Red (22%)

Green (94%)

Blue (51%)



Red (22%)

Yellow (73%)

Blue (94%)

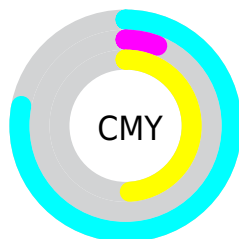


Cyan (77%)

Magenta (0%)

Yellow (45%)

Black (6%)



Cyan (78%)

Magenta (6%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 78.392, 149.609 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, 78.392, 149.609 by changing the saturation by 10% instead.

 84, 78.392,
149.609

 84, 78.392,
149.609

 100, 78.392,
149.609

 74, 78.392,
149.609

 64, 78.392,
149.609

 54, 78.392,
149.609

 44, 78.392,
149.609

 34, 78.392,
149.609

 24, 78.392,
149.609

 14, 78.392,

149.609

■ 4, 78.392, 149.609

■ 0, 78.392, 149.609

■ 84, 78.392,
149.609

■ 84, 78.392,
149.609

■ 84, 85.402,
147.579

■ 85, 70.317,
151.440

■ 83, 91.353,
145.394

■ 86, 61.263,
153.061


■ 83, 93.157,
144.688

■ 87, 51.386,
154.484

■ 88, 40.878,
155.729


■ 89, 29.940,

156.820

 91, 18.761,
157.784

 93, 7.505, 158.664

 95, 3.695, 339.244

 96, 10.114,
324.763

Harmonies

Complementary

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



84, 78.392, 149.609



56, 77.494, 348.112

Rectangle

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



84, 78.392, 149.609



84, 78.392, 199.609



84, 78.392, 329.609



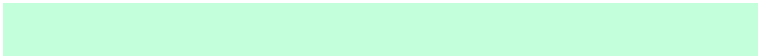
84, 78.392, 19.609

Sweetspot

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



84, 78.393, 149.609



95, 27.239, 157.182



87, 89.000, 122.689



50, 18.830, 156.819



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, 78.393, 149.609



88, 93.409, 146.362



86, 48.208, 184.680



49, 6.396, 158.422



65, 75.836, 145.085



20, 30.607, 148.771

Inverse Universe

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



56, 77.494, 348.112



56, 86.396, 351.984



54, 76.818, 26.347



47, 6.451, 339.811



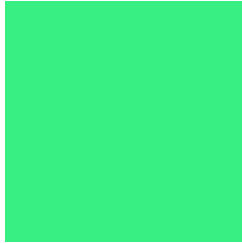
40, 67.983, 353.782



9, 30.507, 348.995

Previews

White Background



This preview shows how the CIE LCh color 84, 78.392, 149.609 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, 78.392, 149.609 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, 78.392, 149.609

Background



This preview shows how black text looks on a background with the CIELCh color 84, 78.392, 149.609.

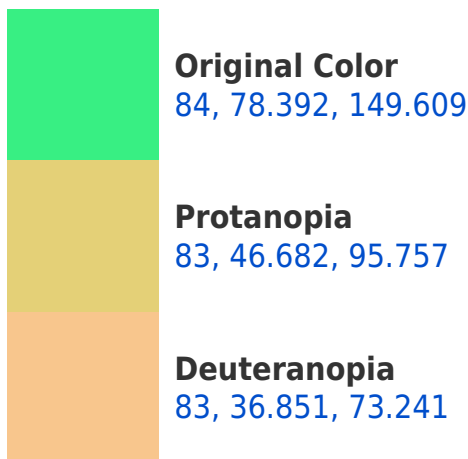


This preview shows how white text looks on a background with the CIELCh color 84, 78.392, 149.609.

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, 35.101, 213.139

Trichromacy



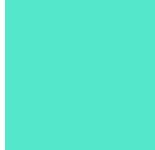
Original Color
84, 78.392, 149.609



Protanomaly
82, 53.663, 129.184



Deuteranomaly
81, 41.831, 125.967

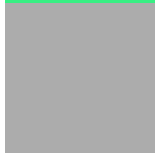


Tritanomaly
84, 45.436, 177.285

Monochromacy



Original Color
84, 78.392, 149.609



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 32.079, 156.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 78.392, 149.609 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(56, 239, 131)` looks like.

```
.text, #text, p{  
    color:rgb(56, 239, 131)  
}
```

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(56, 239, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 239, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 78.392, 149.609 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(56, 239, 131) }
```

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

```
.border{ border-color:rgb(56, 239, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 239, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 239, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 239, 131);  
box-shadow:4px 4px 4px 4px rgb(56, 239,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 78.392, 149.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 239, 131) }
```

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

```
.background{ background-color: rgb(56, 239,  
131) }
```

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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