

Converting Colors

CIELCh(84, 77.866, 150.713)

Have a look what the booklet for
CIELCh(84, 77.866, 150.713)
contains.

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Color

CIELCh(84, 77.865, 150.707)

Conversions

Conversions Part 1

Format	Color
Hex	31EF86
RGB	49, 239, 134
RGB Percent	19%, 94%, 53%
CMY	0.8083, 0.0630, 0.4747
CMYK	0.80, 0.00, 0.44, 0.06
HSL	147°, 86%, 56%
HSV	147°, 80%, 94%
XYZ	36.4083, 64.0658, 32.9804
YIQ	170.2200, -79.5350, -72.9350

Conversions

Conversions Part 2

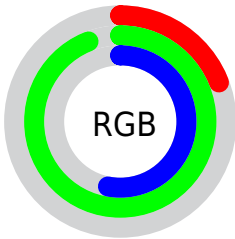
Format	Color
RYB	49, 180, 239
Decimal	3272582
CIELab	84.00, -67.91, 38.10
CIELCh	84, 77.865, 150.707
Yxy	64.0658, 0.2728, 0.4801
Android (android.graphics.Color)	4281462662 (0xFF31EF86)
YUV	170.2200, -17.8565, -106.3099
Hunter-Lab	80.0411, -58.8775, 31.5987

Details

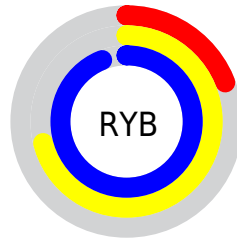
The CIELCh color **84, 77.865, 150.707** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 77.492, 351.358**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 54.955, 157.237**, and **65, 72.087, 146.943** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.307, 148.596**, and if you desaturate by 10%, it is **85, 70.394, 152.616**.

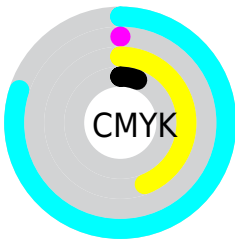
Distribution



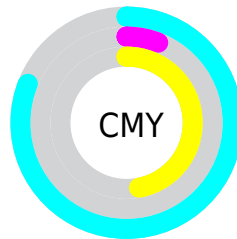
- Red (19%)
- Green (94%)
- Blue (53%)



- Red (19%)
- Yellow (71%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (44%)
- Black (6%)



- Cyan (81%)
- Magenta (6%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 77.865, 150.707 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, 77.865, 150.707 by changing the saturation by 10% instead.

 84, 77.865,
150.707

 84, 77.865,
150.707


 100, 77.865,
150.707


 74, 77.865,
150.707

 64, 77.865,
150.707

 54, 77.865,
150.707

 44, 77.865,
150.707

 34, 77.865,
150.707

 24, 77.865,
150.707

 14, 77.865,

150.707

■ 4, 77.865, 150.707

■ 0, 77.865, 150.707

■ 84, 77.865,
150.707

■ 84, 77.865,
150.707

■ 84, 84.307,
148.596

■ 85, 70.394,
152.616

■ 83, 89.820,
146.363

■ 85, 61.940,
154.312


■ 83, 90.063,
146.263


■ 86, 52.629,
155.804


■ 88, 42.633,
157.113

■ 89, 32.144,

158.264

 91, 21.350,
159.282

 93, 10.418,
160.202

 95, 0.512, 340.098

 96, 9.091, 328.855

Harmonies

Complementary

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



84, 77.865, 150.707



55, 77.492, 351.358

Rectangle

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



84, 77.865, 150.707



84, 77.865, 200.707



84, 77.865, 330.707



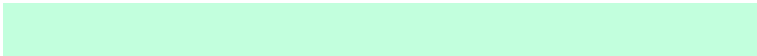
84, 77.865, 20.707

Sweetspot

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



84, 77.866, 150.707



95, 27.611, 158.834



87, 92.029, 124.087



50, 18.936, 158.464



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, 77.866, 150.707



88, 92.005, 147.298



86, 47.652, 188.233



49, 6.223, 160.207



66, 73.279, 146.670



20, 29.603, 150.408

Inverse Universe

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



55, 77.492, 351.358



56, 85.362, 356.094



53, 80.960, 29.843



47, 6.287, 341.644



40, 67.059, 357.093



9, 30.012, 351.634

Previews

White Background



This preview shows how the CIE LCh color 84, 77.865, 150.707 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, 77.865, 150.707 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, 77.865, 150.707

Background



This preview shows how black text looks on a background with the CIELCh color 84, 77.865, 150.707.

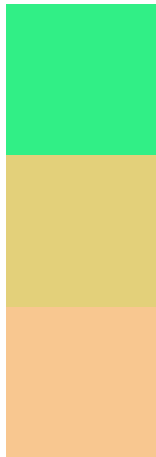


This preview shows how white text looks on a background with the CIELCh color 84, 77.865, 150.707.

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](#).

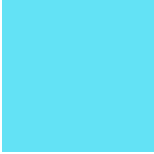
Dichromacy



Original Color
84, 77.865, 150.707

Protanopia
83, 45.150, 96.108

Deuteranopia
83, 35.669, 73.023



Tritanopia
84, 35.650, 213.765

Trichromacy



Original Color
84, 77.865, 150.707



Protanomaly
82, 52.808, 130.911



Deuteranomaly
81, 41.275, 127.930

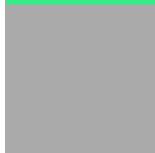


Tritanomaly
84, 45.539, 178.717

Monochromacy



Original Color
84, 77.865, 150.707



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 32.463, 157.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 77.865, 150.707 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(49, 239, 134)` looks like.

```
.text, #text, p{  
    color:rgb(49, 239, 134)  
}
```

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(49, 239, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 239, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 77.865, 150.707 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(49, 239, 134) }
```

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

```
.border{ border-color:rgb(49, 239, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 239, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 239, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 239, 134);  
box-shadow:4px 4px 4px 4px rgb(49, 239,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 77.865, 150.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 239, 134) }
```

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

```
.background{ background-color: rgb(49, 239,  
134) }
```

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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