

Converting Colors

CIELCh(84, 73.995, 148.329)

Have a look what the booklet for
CIELCh(84, 73.995, 148.329)
contains.

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Color

CIELCh(84, 73.783, 148.421)

Conversions

Conversions Part 1

Format	Color
Hex	51ED85
RGB	81, 237, 133
RGB Percent	32%, 93%, 52%
CMY	0.6820, 0.0702, 0.4781
CMYK	0.66, 0.00, 0.44, 0.07
HSL	140°, 81%, 62%
HSV	140°, 66%, 93%
XYZ	37.9489, 64.0658, 32.5837
YIQ	178.5000, -59.5920, -65.4160

Conversions

Conversions Part 2

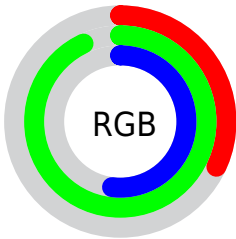
Format	Color
RYB	81, 198, 237
Decimal	5369221
CIELab	84.00, -62.86, 38.64
CIElCh	84, 73.783, 148.421
Yxy	64.0658, 0.2819, 0.4760
Android (android.graphics.Color)	4283559301 (0xFF51ED85)
YUV	178.5000, -22.4315, -85.5075
Hunter-Lab	80.0411, -55.4418, 31.8926

Details

The CIELCh color **84, 73.783, 148.421** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **59, 73.343, 341.637**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 51.283, 153.479**, and **64, 71.986, 146.816** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.511, 146.666**, and if you desaturate by 10%, it is **85, 64.018, 149.980**.

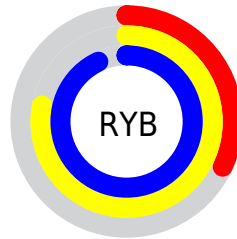
Distribution



Red (32%)

Green (93%)

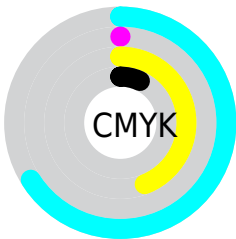
Blue (52%)



Red (32%)

Yellow (78%)

Blue (93%)

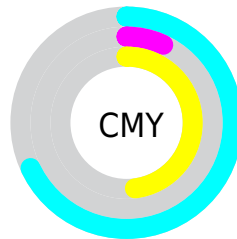


Cyan (66%)

Magenta (0%)

Yellow (44%)

Black (7%)



Cyan (68%)


Magenta (7%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 73.783, 148.421 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, 73.783, 148.421 by changing the saturation by 10% instead.


 84, 73.783,
148.421


 84, 73.783,
148.421


 100, 73.783,
148.421


 74, 73.783,
148.421

 64, 73.783,
148.421

 54, 73.783,
148.421

 44, 73.783,
148.421

 34, 73.783,
148.421

 24, 73.783,
148.421

 14, 73.783,

148.421

■ 4, 73.783, 148.421

■ 0, 73.783, 148.421

■ 84, 73.783,
148.421

■ 84, 73.783,
148.421

■ 83, 82.511,
146.666

■ 85, 64.018,
149.980

■ 83, 90.061,
144.737

■ 86, 53.408,
151.347

■ 83, 96.377,
142.692

■ 87, 42.174,
152.538

■ 82, 98.729,
141.859


■ 89, 30.537,
153.575

■ 91, 18.698,

154.482

 93, 6.828, 155.306

 95, 4.940, 335.861

 96, 11.174,
324.802

Harmonies

Complementary

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



84, 73.783, 148.421



59, 73.343, 341.637

Rectangle

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



84, 73.783, 148.421



84, 73.783, 198.421



84, 73.783, 328.421



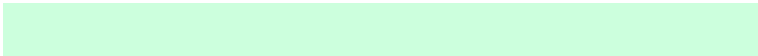
84, 73.783, 18.421

Sweetspot

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



84, 73.784, 148.421



96, 25.133, 154.107



88, 77.374, 119.175



51, 17.145, 153.849



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, 73.784, 148.421



89, 90.140, 146.006



85, 47.298, 177.683



48, 6.654, 155.007



64, 79.973, 142.240



19, 31.534, 145.958

Inverse Universe

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



59, 73.343, 341.637



59, 86.324, 343.608



57, 64.198, 15.931



46, 6.694, 336.297



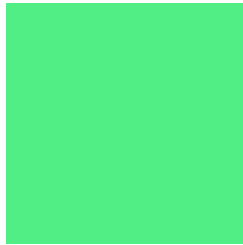
40, 69.966, 347.370



8, 30.882, 343.729

Previews

White Background



This preview shows how the CIE LCh color 84, 73.783, 148.421 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, 73.783, 148.421 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

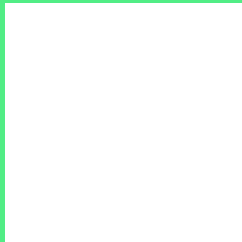
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 73.783, 148.421

Background



This preview shows how black text looks on a background with the CIELCh color 84, 73.783, 148.421.

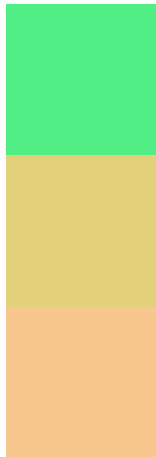


This preview shows how white text looks on a background with the CIELCh color 84, 73.783, 148.421.

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

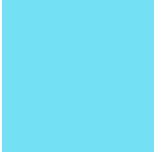
84, 73.783, 148.421

Protanopia

83, 45.150, 96.108

Deuteranopia

83, 36.560, 73.788



Tritanopia
84, 32.116, 215.863

Trichromacy



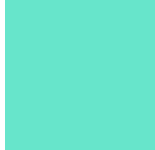
Original Color
84, 73.783, 148.421



Protanomaly
82, 50.952, 126.497



Deuteranomaly
82, 39.764, 121.846

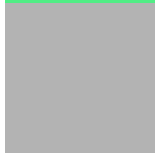


Tritanomaly
84, 41.278, 177.096

Monochromacy



Original Color
84, 73.783, 148.421



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 29.365, 153.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 73.783, 148.421 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(81, 237, 133)` looks like.

```
.text, #text, p{  
    color:rgb(81, 237, 133)  
}
```

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(81, 237, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 237, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 73.783, 148.421 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(81, 237, 133) }
```

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

```
.border{ border-color:rgb(81, 237, 133) }
```

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

Here you see how a box with a 4 pixel rgb(81, 237, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 237, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 237, 133);  
box-shadow:4px 4px 4px 4px rgb(81, 237,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 73.783, 148.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 237, 133) }
```

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

```
.background{ background-color: rgb(81, 237,  
133) }
```

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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