

Converting Colors

CIELCh(84, 73.630, 136.227)

Have a look what the booklet for
CIELCh(84, 73.630, 136.227)
contains.

CIELCh(84, 73.661, 136.211)	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, 73.661, 136.211)

Conversions

Conversions Part 1

Format	Color
Hex	82E96C
RGB	130, 233, 108
RGB Percent	51%, 91%, 42%
CMY	0.4904, 0.0865, 0.5767
CMYK	0.44, 0.00, 0.54, 0.09
HSL	109°, 74%, 67%
HSV	109°, 54%, 91%
XYZ	41.0221, 64.0658, 24.3756
YIQ	187.9530, -21.2630, -60.7110

Conversions

Conversions Part 2

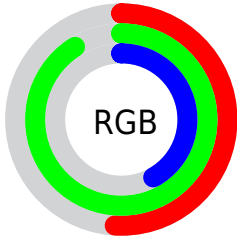
Format	Color
RYB	108, 233, 211
Decimal	8579436
CIELab	84.00, -53.18, 50.97
CIElCh	84, 73.661, 136.211
Yxy	64.0658, 0.3169, 0.4949
Android (android.graphics.Color)	4286769516 (0xFF82E96C)
YUV	187.9530, -39.4168, -50.8248
Hunter-Lab	80.0411, -48.5883, 37.9727

Details

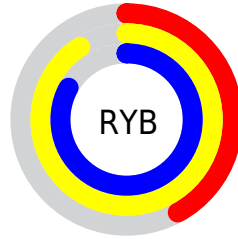
The CIELCh color **84, 73.661, 136.211** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62, 74.825, 321.795**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 53.191, 134.529**, and **64, 73.420, 136.162** is the 20% darker color. If you saturate the color by 10%, you get **83, 85.438, 135.528**, and if you desaturate by 10%, it is **85, 60.762, 136.937**.

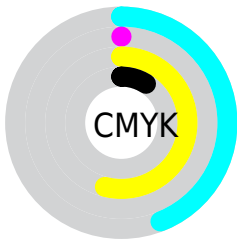
Distribution



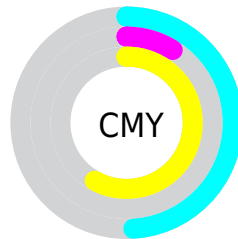
- Red (51%)
- Green (91%)
- Blue (42%)



- Red (42%)
- Yellow (91%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (49%)
- Magenta (9%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 73.661, 136.211 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, 73.661, 136.211 by changing the saturation by 10% instead.


 84, 73.661,
136.211


 84, 73.661,
136.211


 100, 73.661,
136.211


 74, 73.661,
136.211

 64, 73.661,
136.211

 54, 73.661,
136.211

 44, 73.661,
136.211

 34, 73.661,
136.211

 24, 73.661,
136.211

 14, 73.661,

136.211

■ 4, 73.661, 136.211

■ 0, 73.661, 136.211

■ 84, 73.661,
136.211

■ 84, 73.661,
136.211

■ 83, 85.438,
135.528

■ 85, 60.762,
136.937

■ 82, 95.543,
134.987

■ 86, 47.171,
137.639

■ 82, 103.365,
134.722

■ 88, 33.212,
138.287

■ 81, 108.429,
134.840

■ 90, 19.126,
138.868

■ 81, 110.389,

■ 92, 5.089, 139.406

135.044

■ 94, 8.776, 319.766

■ 95, 13.772,
324.898

Harmonies

Complementary

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



84, 73.661, 136.211



62, 74.825, 321.795

Rectangle

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



84, 73.661, 136.211



84, 73.661, 186.211



84, 73.661, 316.211



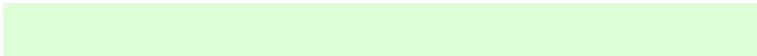
84, 73.661, 6.211

Sweetspot

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



84, 73.662, 136.212



97, 24.132, 138.733



84, 53.050, 95.044



51, 16.303, 138.615



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, 73.662, 136.212



90, 92.263, 135.487



84, 61.760, 149.651



48, 7.983, 139.093



64, 91.242, 134.908



19, 36.769, 135.377

Inverse Universe

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



62, 74.825, 321.795



63, 93.541, 322.048



63, 62.216, 339.377



46, 8.023, 319.935



37, 90.756, 321.567



7, 38.619, 322.447

Previews

White Background



This preview shows how the CIE LCh color 84, 73.661, 136.211 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, 73.661, 136.211 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

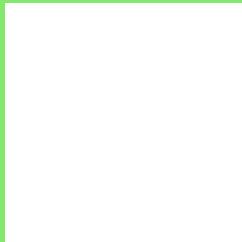
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 73.661, 136.211

Background



This preview shows how black text looks on a background with the CIELCh color 84, 73.661, 136.211.

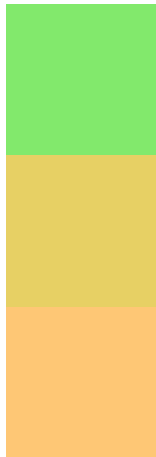


This preview shows how white text looks on a background with the CIELCh color 84, 73.661, 136.211.

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, 73.661, 136.211

Protanopia
83, 55.828, 95.180

Deuteranopia
84, 49.241, 77.912

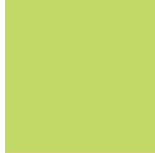


Tritanopia
84, 22.264, 223.604

Trichromacy



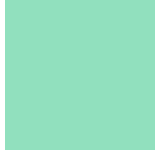
Original Color
84, 73.661, 136.211



Protanomaly
83, 58.169, 114.605



Deuteranomaly
83, 49.606, 106.758

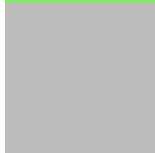


Tritanomaly
83, 32.866, 164.067

Monochromacy



Original Color
84, 73.661, 136.211



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 27.782, 138.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 73.661, 136.211 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(130, 233, 108)` looks like.

```
.text, #text, p{  
    color:rgb(130, 233, 108)  
}
```

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(130, 233, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 233, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 73.661, 136.211 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(130, 233, 108) }
```

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

```
.border{ border-color:rgb(130, 233, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 233, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 233, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 233, 108);  
box-shadow:4px 4px 4px 4px rgb(130, 233,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 73.661, 136.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 233, 108) }
```

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

```
.background{ background-color: rgb(130,  
233, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor