

Converting Colors

CIELCh(84, 72.158, 144.936)

Have a look what the booklet for
CIELCh(84, 72.158, 144.936)
contains.

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Color

CIELCh(84, 72.263, 145.050)

Conversions

Conversions Part 1

Format	Color
Hex	65EC80
RGB	101, 236, 128
RGB Percent	40%, 93%, 50%
CMY	0.6055, 0.0760, 0.4994
CMYK	0.57, 0.00, 0.46, 0.08
HSL	132°, 78%, 66%
HSV	132°, 57%, 92%
XYZ	39.0814, 64.0658, 30.6094
YIQ	183.3230, -45.7920, -62.2080

Conversions

Conversions Part 2

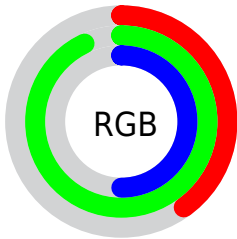
Format	Color
RYB	101, 214, 236
Decimal	6679680
CIELab	84.00, -59.23, 41.40
CIELCh	84, 72.263, 145.050
Yxy	64.0658, 0.2922, 0.4790
Android (android.graphics.Color)	4284869760 (0xFF65EC80)
YUV	183.3230, -27.2742, -72.1973
Hunter-Lab	80.0411, -52.9163, 33.3551

Details

The CIELCh color **84, 72.263, 145.050** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63, 71.577, 334.448**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 49.867, 148.071**, and **64, 72.416, 144.968** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.804, 143.579**, and if you desaturate by 10%, it is **85, 60.679, 146.360**.

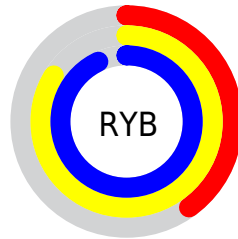
Distribution



Red (40%)

Green (93%)

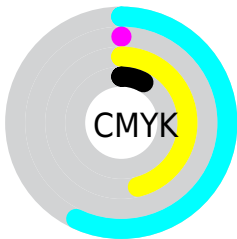
Blue (50%)



Red (40%)

Yellow (84%)

Blue (93%)

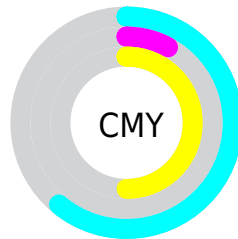


Cyan (57%)

Magenta (0%)

Yellow (46%)

Black (8%)



Cyan (61%)

Magenta (8%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 72.263, 145.050 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, 72.263, 145.050 by changing the saturation by 10% instead.


 84, 72.263,
145.050


 84, 72.263,
145.050


 100, 72.263,
145.050


 74, 72.263,
145.050

 64, 72.263,
145.050

 54, 72.263,
145.050

 44, 72.263,
145.050

 34, 72.263,
145.050

 24, 72.263,
145.050

 14, 72.263,

145.050

■ 4, 72.263, 145.050

■ 0, 72.263, 145.050

■ 84, 72.263,
145.050

■ 84, 72.263,
145.050

■ 83, 82.804,
143.579

■ 85, 60.679,
146.360

■ 83, 92.009,
141.977

■ 86, 48.345,
147.506

■ 82, 99.620,
140.310

■ 88, 35.540,
148.498

■ 82, 105.444,
138.695

■ 90, 22.510,
149.355

■ 82, 106.738,

■ 92, 9.456, 150.109

138.318

■ 94, 3.468, 330.604

■ 95, 12.090,
324.836

Harmonies

Complementary

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



84, 72.263, 145.050



63, 71.577, 334.448

Rectangle

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



84, 72.263, 145.050



84, 72.263, 195.050



84, 72.263, 325.050



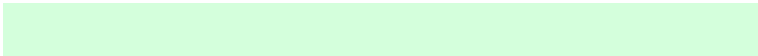
84, 72.263, 15.050

Sweetspot

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



84, 72.264, 145.050



96, 23.571, 149.374



89, 67.116, 114.276



51, 15.774, 149.211



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, 72.264, 145.050



89, 89.971, 143.270



85, 47.236, 169.469



48, 7.336, 149.952



64, 87.041, 138.597



18, 34.485, 142.081

Inverse Universe

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



63, 71.577, 334.448



63, 87.351, 335.391



61, 55.991, 4.422



46, 7.359, 331.107



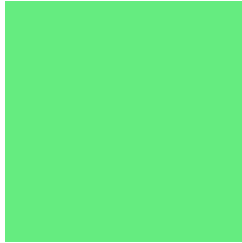
41, 76.516, 338.165



9, 33.494, 336.435

Previews

White Background



This preview shows how the CIE LCh color 84, 72.263, 145.050 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, 72.263, 145.050 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, 72.263, 145.050

Background



This preview shows how black text looks on a background with the CIELCh color 84, 72.263, 145.050.

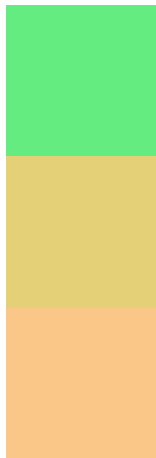


This preview shows how white text looks on a background with the CIELCh color 84, 72.263, 145.050.

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, 72.263, 145.050

Protanopia

83, 47.163, 95.810

Deuteranopia

83, 39.293, 74.510



Tritanopia
84, 28.887, 217.057

Trichromacy



Original Color
84, 72.263, 145.050



Protanomaly
83, 51.183, 122.310



Deuteranomaly
82, 40.860, 115.702



Tritanomaly
84, 38.224, 173.987

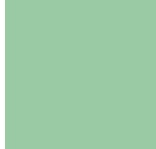
Monochromacy



Original Color
84, 72.263, 145.050



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 27.793, 148.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 72.263, 145.050 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(101, 236, 128)` looks like.

```
.text, #text, p{  
    color:rgb(101, 236, 128)  
}
```

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(101, 236, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 236, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 72.263, 145.050 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(101, 236, 128) }
```

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

```
.border{ border-color:rgb(101, 236, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 236, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 236, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 236, 128);  
box-shadow:4px 4px 4px 4px rgb(101, 236,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 72.263, 145.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 236, 128) }
```

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

```
.background{ background-color: rgb(101,  
236, 128) }
```

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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