

Converting Colors

CIELCh(88, 85.675, 141.146)

Have a look what the booklet for
CIELCh(88, 85.675, 141.146)
contains.

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Color

CIELCh(88, 85.675, 141.146)

Conversions

Conversions Part 1

Format	Color
Hex	64FA70
RGB	100, 250, 112
RGB Percent	39%, 98%, 44%
CMY	0.6090, 0.0206, 0.5617
CMYK	0.60, 0.00, 0.55, 0.02
HSL	125°, 93%, 69%
HSV	125°, 60%, 98%
XYZ	42.2382, 72.0653, 26.9437
YIQ	189.4180, -45.1020, -74.7180

Conversions

Conversions Part 2

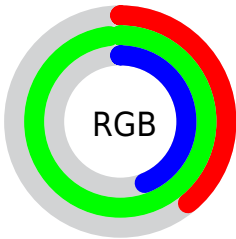
Format	Color
RYB	100, 239, 250
Decimal	6617712
CIELab	88.00, -66.72, 53.75
CIElCh	88, 85.675, 141.146
Yxy	72.0653, 0.2990, 0.5102
Android (android.graphics.Color)	4284807792 (0xFF64FA70)
YUV	189.4180, -38.1671, -78.4196
Hunter-Lab	84.8913, -59.7458, 40.6058

Details

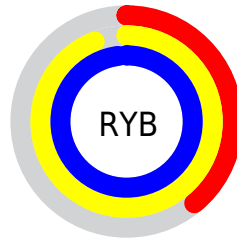
The CIELCh color **88, 85.675, 141.146** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 84.373, 330.068**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.760, 142.899**, and **68, 85.623, 141.131** is the 20% darker color. If you saturate the color by 10%, you get **87, 96.819, 139.825**, and if you desaturate by 10%, it is **89, 72.980, 142.393**.

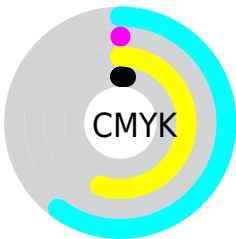
Distribution



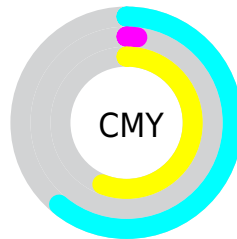
- Red (39%)
- Green (98%)
- Blue (44%)



- Red (39%)
- Yellow (94%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (2%)





- Cyan (61%)
- Magenta (2%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 85.675, 141.146 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 88, 85.675, 141.146 by changing the saturation by 10% instead.


 88, 85.675,
141.146


 88, 85.675,
141.146


 100, 85.675,
141.146


 78, 85.675,
141.146

 68, 85.675,
141.146

 58, 85.675,
141.146

 48, 85.675,
141.146

 38, 85.675,
141.146


 28, 85.675,
141.146


 18, 85.675,


141.146


 8, 85.675, 141.146


 0, 85.675, 141.146


 88, 85.675,
141.146


 88, 85.675,
141.146

 87, 96.819,
139.825


 89, 72.980,
142.393

 87, 105.924,
138.519


 90, 59.186,
143.517

 86, 112.540,
137.361

 92, 44.697,
144.502

 86, 116.441,
136.529

 94, 29.851,
145.353

 96, 14.919,

146.088

■ 98, 0.104, 149.828

■ 99, 3.274, 324.461

Harmonies

Complementary

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



88, 85.675, 141.146



66, 84.373, 330.068

Rectangle

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



88, 85.675, 141.146



88, 85.675, 191.146



88, 85.675, 321.146



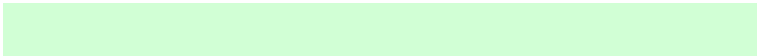
88, 85.675, 11.146

Sweetspot

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



88, 85.676, 141.146



96, 27.204, 145.513



95, 72.238, 107.838



51, 18.917, 145.285



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 85.676, 141.146



89, 100.393, 139.559



89, 58.095, 160.394



51, 8.416, 146.128



67, 93.990, 136.678



21, 40.773, 138.578

Inverse Universe

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



66, 84.373, 330.068



63, 97.261, 330.640



63, 63.378, 355.334



49, 8.432, 327.209



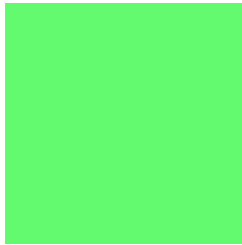
44, 86.515, 331.720



11, 39.456, 331.246

Previews

White Background



This preview shows how the CIELCh color 88, 85.675, 141.146 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 88, 85.675, 141.146 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

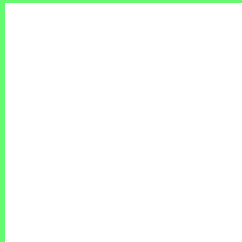
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 85.675, 141.146

Background



This preview shows how black text looks on a background with the CIELCh color 88, 85.675, 141.146.

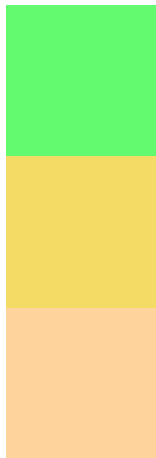


This preview shows how white text looks on a background with the CIELCh color 88, 85.675, 141.146.

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

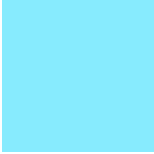
88, 85.675, 141.146

Protanopia

87, 59.641, 95.349

Deuteranopia

87, 34.220, 77.018

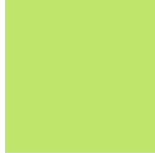


Tritanopia
88, 30.557, 216.791

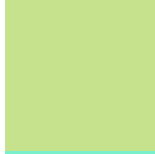
Trichromacy



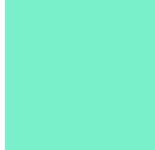
Original Color
88, 85.675, 141.146



Protanomaly
86, 63.649, 119.421



Deuteranomaly
86, 45.240, 120.163

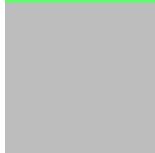


Tritanomaly
87, 43.039, 169.069

Monochromacy



Original Color
88, 85.675, 141.146



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 33.346, 144.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 85.675, 141.146 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(100, 250, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 112)  
}
```

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(100, 250, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 85.675, 141.146 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(100, 250, 112) }
```

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

```
.border{ border-color:rgb(100, 250, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 250, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 250, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 250, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 250,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 85.675, 141.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 112) }
```

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

```
.background{ background-color: rgb(100,  
250, 112) }
```

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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