

Converting Colors

CIELCh(85, 75.698, 140.174)

Have a look what the booklet for
CIELCh(85, 75.698, 140.174)
contains.

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Color

CIELCh(85, 75.555, 140.174)

Conversions

Conversions Part 1

Format	Color
Hex	74EE74
RGB	116, 238, 116
RGB Percent	45%, 93%, 45%
CMY	0.5458, 0.0673, 0.5457
CMYK	0.51, 0.00, 0.51, 0.07
HSL	120°, 78%, 69%
HSV	120°, 51%, 93%
XYZ	40.8465, 66.0070, 27.0629
YIQ	187.6140, -33.5500, -63.8060

Conversions

Conversions Part 2

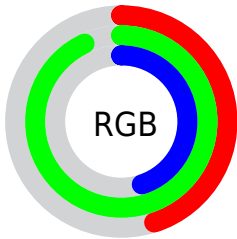
Format	Color
RYB	116, 238, 238
Decimal	7663220
CIELab	85.00, -58.03, 48.39
CIELCh	85, 75.555, 140.174
Yxy	66.0070, 0.3050, 0.4929
Android (android.graphics.Color)	4285853300 (0xFF74EE74)
YUV	187.6140, -35.3057, -62.8055
Hunter-Lab	81.2447, -52.4358, 37.1216

Details

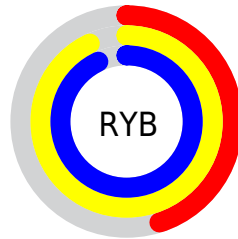
The CIELCh color **85, 75.555, 140.174** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **67, 75.092, 327.116**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 52.165, 140.639**, and **65, 75.410, 140.268** is the 20% darker color. If you saturate the color by 10%, you get **84, 87.987, 139.032**, and if you desaturate by 10%, it is **86, 61.799, 141.251**.

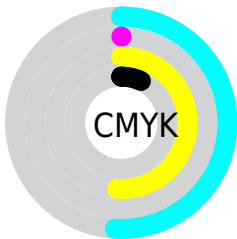
Distribution



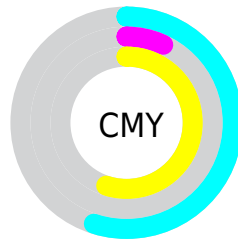
- Red (45%)
- Green (93%)
- Blue (45%)



- Red (45%)
- Yellow (93%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)





- Cyan (55%)
- Magenta (7%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 75.555, 140.174 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 85, 75.555, 140.174 by changing the saturation by 10% instead.


 85, 75.555,
140.174


 85, 75.555,
140.174


 100, 75.555,
140.174


 75, 75.555,
140.174

 65, 75.555,
140.174

 55, 75.555,
140.174

 45, 75.555,
140.174

 35, 75.555,
140.174


 25, 75.555,
140.174


 15, 75.555,


140.174


 5, 75.555, 140.174


 0, 75.555, 140.174


 85, 75.555,
140.174


 85, 75.555,
140.174


 84, 87.987,
139.032


 86, 61.799,
141.251


 83, 98.511,
137.913


 88, 47.206,
142.216

 83, 106.510,
136.955

 90, 32.172,
143.058


 83, 111.500,
136.306

 92, 17.005,
143.784

 82, 113.620,

 94, 1.934, 144.527

136.017

 96, 10.707,
324.785

Harmonies

Complementary

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



85, 75.555, 140.174



67, 75.092, 327.116

Rectangle

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



85, 75.555, 140.174



85, 75.555, 190.174



85, 75.555, 320.174



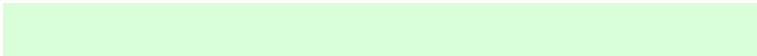
85, 75.555, 10.174

Sweetspot

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



85, 75.556, 140.174



97, 23.930, 143.523



92, 60.420, 105.303



51, 16.340, 143.370



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 75.556, 140.174



89, 93.882, 138.925



86, 51.741, 158.143



49, 8.594, 143.905



65, 93.584, 136.018



19, 39.677, 137.805

Inverse Universe

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



67, 75.092, 327.116



67, 92.716, 327.545



65, 54.645, 349.274



47, 8.607, 324.949



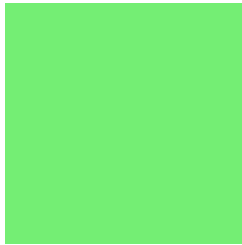
44, 90.283, 328.240



10, 39.413, 328.239

Previews

White Background



This preview shows how the CIE LCh color 85, 75.555, 140.174 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 85, 75.555, 140.174 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

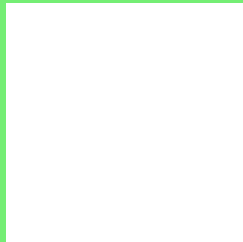
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 75.555, 140.174

Background



This preview shows how black text looks on a background with the CIELCh color 85, 75.555, 140.174.

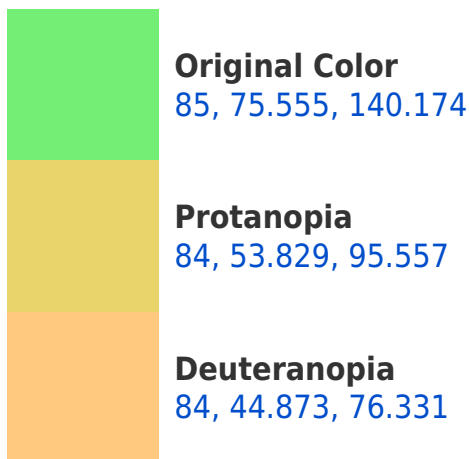


This preview shows how white text looks on a background with the CIELCh color 85, 75.555, 140.174.

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





Tritanopia
85, 26.140, 219.324

Trichromacy



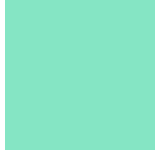
Original Color
85, 75.555, 140.174



Protanomaly
84, 57.391, 118.099



Deuteranomaly
83, 46.338, 111.208

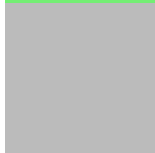


Tritanomaly
84, 36.650, 168.584

Monochromacy



Original Color
85, 75.555, 140.174



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 28.737, 143.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 75.555, 140.174 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(116, 238, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 238, 116)  
}
```

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(116, 238, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 238, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 75.555, 140.174 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(116, 238, 116) }
```

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

```
.border{ border-color:rgb(116, 238, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 238, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 238, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 238, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 238,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 75.555, 140.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 238, 116) }
```

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

```
.background{ background-color: rgb(116,  
238, 116) }
```

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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