

Converting Colors

CIELCh(86, 76.845, 140.120)

Have a look what the booklet for
CIELCh(86, 76.845, 140.120)
contains.

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Color

CIELCh(86, 76.576, 140.148)

Conversions

Conversions Part 1

Format	Color
Hex	75F175
RGB	117, 241, 117
RGB Percent	46%, 95%, 46%
CMY	0.5411, 0.0548, 0.5411
CMYK	0.51, 0.00, 0.51, 0.05
HSL	120°, 82%, 70%
HSV	120°, 51%, 95%
XYZ	42.0098, 67.9871, 27.7423
YIQ	189.7880, -34.1000, -64.8520

Conversions

Conversions Part 2

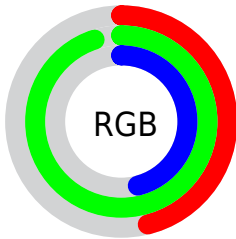
Format	Color
RYB	117, 241, 241
Decimal	7729525
CIELab	86.00, -58.79, 49.07
CIELCh	86, 76.576, 140.148
Yxy	67.9871, 0.3050, 0.4936
Android (android.graphics.Color)	4285919605 (0xFF75F175)
YUV	189.7880, -35.8845, -63.8351
Hunter-Lab	82.4543, -53.3507, 37.7695

Details

The CIELCh color **86, 76.576, 140.148** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **68, 76.101, 327.118**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 51.356, 140.366**, and **66, 76.758, 140.040** is the 20% darker color. If you saturate the color by 10%, you get **85, 89.112, 139.005**, and if you desaturate by 10%, it is **87, 62.689, 141.227**.

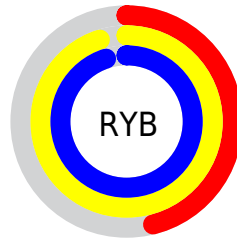
Distribution



Red (46%)

Green (95%)

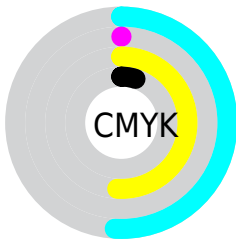
Blue (46%)



Red (46%)

Yellow (95%)

Blue (95%)

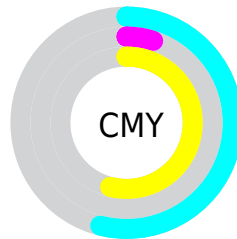


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 76.576, 140.148 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 86, 76.576, 140.148 by changing the saturation by 10% instead.


 86, 76.576,
140.148


 86, 76.576,
140.148


 100, 76.576,
140.148


 76, 76.576,
140.148

 66, 76.576,
140.148

 56, 76.576,
140.148

 46, 76.576,
140.148

 36, 76.576,
140.148


 26, 76.576,
140.148


 16, 76.576,


140.148


 6, 76.576, 140.148

 0, 76.576, 140.148


 86, 76.576,
140.148


 86, 76.576,
140.148


 85, 89.112,
139.005


 87, 62.689,
141.227


 84, 99.706,
137.888


 89, 47.947,
142.195

 84, 107.732,
136.935

 91, 32.753,
143.039

 84, 112.706,
136.294

 93, 17.420,
143.767

 83, 114.772,

 95, 2.181, 144.497

136.016

 97, 8.713, 324.709

Harmonies

Complementary

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



86, 76.576, 140.148



68, 76.101, 327.118

Rectangle

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



86, 76.576, 140.148



86, 76.576, 190.148



86, 76.576, 320.148



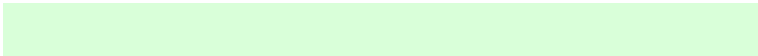
86, 76.576, 10.148

Sweetspot

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



86, 76.577, 140.148



97, 23.933, 143.518



92, 60.368, 104.520



51, 16.342, 143.365



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 76.577, 140.148



89, 93.892, 138.920



87, 53.194, 157.270



49, 8.595, 143.900



65, 93.588, 136.016



19, 39.681, 137.801

Inverse Universe

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



68, 76.101, 327.118



67, 92.728, 327.538



66, 55.859, 348.276



47, 8.608, 324.943



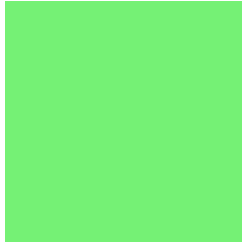
44, 90.297, 328.232



10, 39.418, 328.232

Previews

White Background



This preview shows how the CIE LCh color 86, 76.576, 140.148 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 86, 76.576, 140.148 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 86, 76.576, 140.148

Background



This preview shows how black text looks on a background with the CIELCh color 86, 76.576, 140.148.

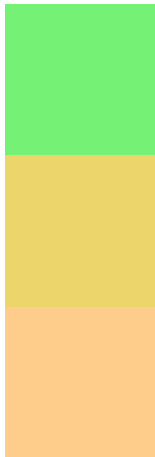


This preview shows how white text looks on a background with the CIELCh color 86, 76.576, 140.148.

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
86, 76.576, 140.148

Protanopia
86, 54.660, 95.707

Deuteranopia
85, 40.610, 76.399



Tritanopia
86, 26.374, 219.067

Trichromacy



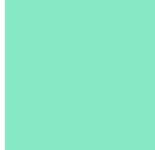
Original Color
86, 76.576, 140.148



Protanomaly
85, 58.199, 117.877



Deuteranomaly
84, 44.899, 113.067

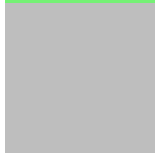


Tritanomaly
85, 37.150, 168.149

Monochromacy



Original Color
86, 76.576, 140.148



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 29.937, 143.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 76.576, 140.148 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(117, 241, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 241, 117)  
}
```

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(117, 241, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 241, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 76.576, 140.148 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(117, 241, 117) }
```

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

```
.border{ border-color:rgb(117, 241, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 241, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 241, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 241, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 241,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 76.576, 140.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 241, 117) }
```

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

```
.background{ background-color: rgb(117,  
241, 117) }
```

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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