

Converting Colors

CIELCh(86, 73.945, 145.145)

Have a look what the booklet for
CIELCh(86, 73.945, 145.145)
contains.

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Color

CIELCh(86, 73.925, 145.053)

Conversions

Conversions Part 1

Format	Color
Hex	67F283
RGB	103, 242, 131
RGB Percent	40%, 95%, 51%
CMY	0.5963, 0.0512, 0.4865
CMYK	0.57, 0.00, 0.46, 0.05
HSL	132°, 84%, 68%
HSV	132°, 57%, 95%
XYZ	41.4145, 67.9871, 32.3947
YIQ	187.7850, -47.2130, -63.9890

Conversions

Conversions Part 2

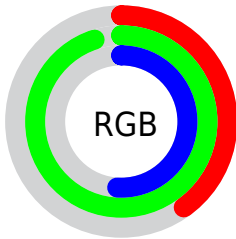
Format	Color
RYB	103, 219, 242
Decimal	6812291
CIELab	86.00, -60.60, 42.35
CIELCh	86, 73.925, 145.053
Yxy	67.9871, 0.2921, 0.4795
Android (android.graphics.Color)	4285002371 (0xFF67F283)
YUV	187.7850, -27.9950, -74.3564
Hunter-Lab	82.4543, -54.6393, 34.4241

Details

The CIELCh color **86, 73.925, 145.053** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 73.208, 334.511**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.250, 148.695**, and **66, 74.085, 144.976** is the 20% darker color. If you saturate the color by 10%, you get **85, 84.659, 143.575**, and if you desaturate by 10%, it is **87, 62.119, 146.370**.

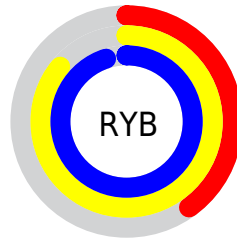
Distribution



Red (40%)

Green (95%)

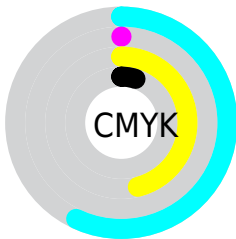
Blue (51%)



Red (40%)

Yellow (86%)

Blue (95%)

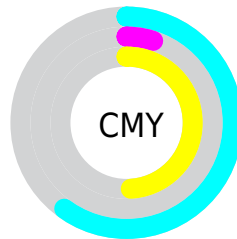


Cyan (57%)

Magenta (0%)

Yellow (46%)

Black (5%)



Cyan (60%)


Magenta (5%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 73.925, 145.053 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, 73.925, 145.053 by changing the saturation by 10% instead.


 86, 73.925,
145.053


 86, 73.925,
145.053


 100, 73.925,
145.053


 76, 73.925,
145.053

 66, 73.925,
145.053

 56, 73.925,
145.053

 46, 73.925,
145.053

 36, 73.925,
145.053


 26, 73.925,
145.053


 16, 73.925,


145.053


 6, 73.925, 145.053


 0, 73.925, 145.053


 86, 73.925,
145.053


 86, 73.925,
145.053


 85, 84.659,
143.575


 87, 62.119,
146.370


 85, 94.022,
141.966


 88, 49.540,
147.521

 84, 101.752,
140.293

 90, 36.476,
148.518

 84, 107.657,
138.674

 92, 23.176,
149.379

 84, 108.899,

 94, 9.848, 150.136

138.316

 96, 3.350, 330.628

 97, 8.133, 324.687

Harmonies

Complementary

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



86, 73.925, 145.053



64, 73.208, 334.511

Rectangle

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



86, 73.925, 145.053



86, 73.925, 195.053



86, 73.925, 325.053



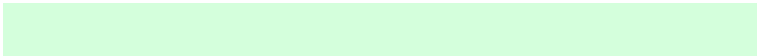
86, 73.925, 15.053

Sweetspot

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



86, 73.926, 145.053



96, 23.552, 149.411



91, 68.711, 114.265



51, 15.762, 149.249



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, 73.926, 145.053



89, 89.901, 143.304



87, 48.344, 169.435



49, 7.460, 149.988



65, 87.937, 138.604



19, 35.753, 141.724

Inverse Universe

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



64, 73.208, 334.511



63, 87.287, 335.440



62, 57.338, 4.480



47, 7.484, 331.147



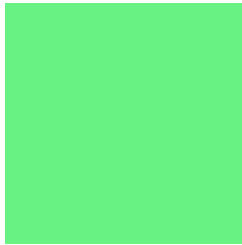
42, 77.240, 338.244



9, 34.434, 336.583

Previews

White Background



This preview shows how the CIE LCh color 86, 73.925, 145.053 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, 73.925, 145.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

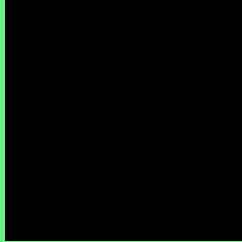
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 73.925, 145.053

Background



This preview shows how black text looks on a background with the CIELCh color 86, 73.925, 145.053.

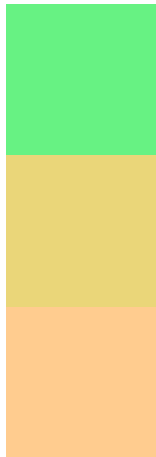


This preview shows how white text looks on a background with the CIELCh color 86, 73.925, 145.053.

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, 73.925, 145.053

Protanopia
85, 48.407, 96.102

Deuteranopia
85, 38.641, 74.291

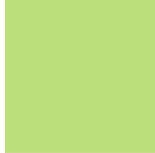


Tritanopia
86, 29.576, 216.477

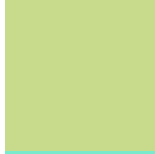
Trichromacy



Original Color
86, 73.925, 145.053



Protanomaly
85, 52.605, 122.647



Deuteranomaly
84, 41.314, 116.700



Tritanomaly
86, 39.131, 173.815

Monochromacy



Original Color
86, 73.925, 145.053



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 28.939, 148.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 73.925, 145.053 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(103, 242, 131)` looks like.

```
.text, #text, p{  
    color:rgb(103, 242, 131)  
}
```

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(103, 242, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 242, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 73.925, 145.053 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(103, 242, 131) }
```

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

```
.border{ border-color:rgb(103, 242, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 242, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 242, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 242, 131);  
box-shadow:4px 4px 4px 4px rgb(103, 242,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 73.925, 145.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 242, 131) }
```

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

```
.background{ background-color: rgb(103,  
242, 131) }
```

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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