

Converting Colors

CIELCh(86, 73.568, 145.296)

Have a look what the booklet for
CIELCh(86, 73.568, 145.296)
contains.

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Color

CIELCh(86, 73.536, 145.284)

Conversions

Conversions Part 1

Format	Color
Hex	67F284
RGB	103, 242, 132
RGB Percent	40%, 95%, 52%
CMY	0.5965, 0.0513, 0.4827
CMYK	0.57, 0.00, 0.45, 0.05
HSL	133°, 84%, 68%
HSV	133°, 57%, 95%
XYZ	41.4636, 67.9871, 32.7353
YIQ	187.8990, -47.5340, -63.6780

Conversions

Conversions Part 2

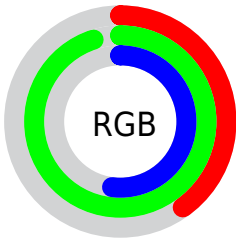
Format	Color
RYB	103, 218, 242
Decimal	6812292
CIELab	86.00, -60.45, 41.88
CIELCh	86, 73.536, 145.284
Yxy	67.9871, 0.2916, 0.4782
Android (android.graphics.Color)	4285002372 (0xFF67F284)
YUV	187.8990, -27.5582, -74.4564
Hunter-Lab	82.4543, -54.5332, 34.1792

Details

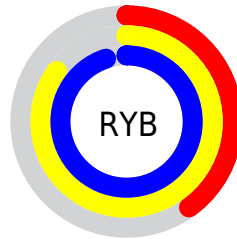
The CIELCh color **86, 73.536, 145.284** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **64, 72.858, 334.814**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.853, 149.080**, and **66, 73.709, 145.208** is the 20% darker color. If you saturate the color by 10%, you get **85, 84.222, 143.798**, and if you desaturate by 10%, it is **87, 61.791, 146.606**.

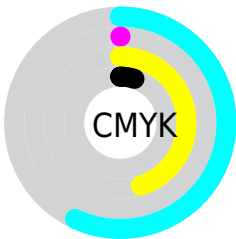
Distribution



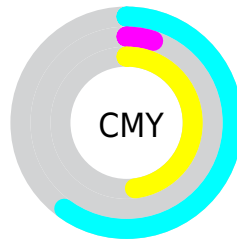
- Red (40%)
- Green (95%)
- Blue (52%)



- Red (40%)
- Yellow (85%)
- Blue (95%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (60%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 73.536, 145.284 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, 73.536, 145.284 by changing the saturation by 10% instead.


 86, 73.536,
145.284

 86, 73.536,
145.284


 100, 73.536,
145.284

 76, 73.536,
145.284

 66, 73.536,
145.284

 56, 73.536,
145.284

 46, 73.536,
145.284

 36, 73.536,
145.284


 26, 73.536,
145.284


 16, 73.536,


145.284


 6, 73.536, 145.284


 0, 73.536, 145.284

 86, 73.536,
145.284


 86, 73.536,
145.284


 85, 84.222,
143.798


 87, 61.791,
146.606


 85, 93.558,
142.176


 88, 49.282,
147.761

 84, 101.292,
140.482

 90, 36.290,
148.761

 84, 107.242,
138.832

 92, 23.063,
149.626

 84, 108.498,

 94, 9.807, 150.386

138.466

 96, 3.320, 330.880

 97, 8.159, 324.688

Harmonies

Complementary

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



86, 73.536, 145.284



64, 72.858, 334.814

Rectangle

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



86, 73.536, 145.284



86, 73.536, 195.284



86, 73.536, 325.284



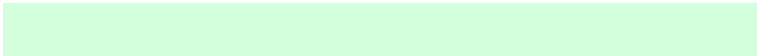
86, 73.536, 15.284

Sweetspot

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



86, 73.537, 145.284



96, 23.429, 149.659



91, 68.711, 114.265



51, 15.679, 149.496



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, 73.537, 145.284



89, 89.442, 143.526



87, 48.344, 169.433



49, 7.421, 150.239



65, 87.612, 138.760



19, 35.606, 141.894

Inverse Universe

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



64, 72.858, 334.814



63, 86.870, 335.768



62, 57.339, 4.482



47, 7.446, 331.404



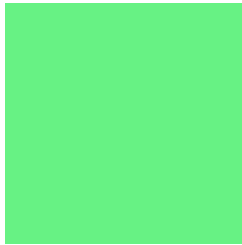
42, 76.831, 338.687



9, 34.273, 336.943

Previews

White Background



This preview shows how the CIE LCh color 86, 73.536, 145.284 looks on a white background.

Color Contrast Check

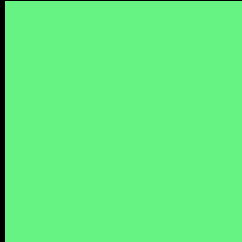
Large Text (above 18pt) WCAG AA × Fail

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, 73.536, 145.284 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, 73.536, 145.284

Background



This preview shows how black text looks on a background with the CIELCh color 86, 73.536, 145.284.

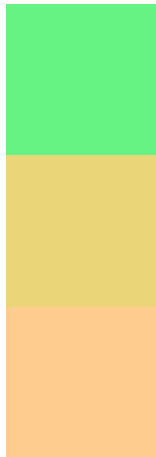


This preview shows how white text looks on a background with the CIELCh color 86, 73.536, 145.284.

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, 73.536, 145.284

Protanopia

85, 48.044, 95.538

Deuteranopia

85, 38.195, 73.946

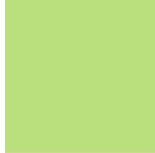


Tritanopia
86, 29.576, 216.477

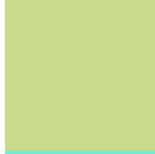
Trichromacy



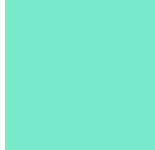
Original Color
86, 73.536, 145.284



Protanomaly
85, 52.605, 122.647



Deuteranomaly
84, 40.825, 116.853

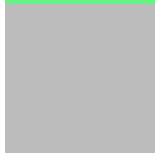


Tritanomaly
86, 39.131, 173.815

Monochromacy



Original Color
86, 73.536, 145.284



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 28.524, 149.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 73.536, 145.284 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(103, 242, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 242, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 73.536, 145.284 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, 132) }
```

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

```
.border{ border-color:rgb(103, 242, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 242, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 242, 132);  
box-shadow:4px 4px 4px 4px rgb(103, 242,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 73.536, 145.284 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, 132) }
```

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

```
.background{ background-color: rgb(103,  
242, 132) }
```

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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