

Converting Colors

CIELCh(87, 75.154, 145.380)

Have a look what the booklet for
CIELCh(87, 75.154, 145.380)
contains.

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Color

CIELCh(87, 74.870, 145.413)

Conversions

Conversions Part 1

Format	Color
Hex	66F585
RGB	102, 245, 133
RGB Percent	40%, 96%, 52%
CMY	0.5989, 0.0382, 0.4775
CMYK	0.58, 0.00, 0.46, 0.04
HSL	133°, 88%, 68%
HSV	133°, 58%, 96%
XYZ	42.4948, 70.0064, 33.5505
YIQ	189.4750, -49.2760, -65.1480

Conversions

Conversions Part 2

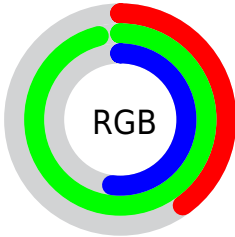
Format	Color
RYB	102, 220, 245
Decimal	6747525
CIELab	87.00, -61.64, 42.50
CIELCh	87, 74.870, 145.413
Yxy	70.0064, 0.2910, 0.4793
Android (android.graphics.Color)	4284937605 (0xFF66F585)
YUV	189.4750, -27.8422, -76.7156
Hunter-Lab	83.6698, -55.7644, 34.7944

Details

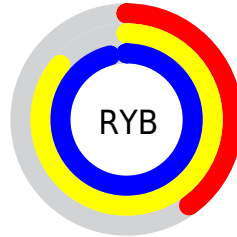
The CIELCh color **87, 74.870, 145.413** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65, 74.141, 335.215**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.063, 149.870**, and **67, 75.071, 145.349** is the 20% darker color. If you saturate the color by 10%, you get **86, 85.518, 143.904**, and if you desaturate by 10%, it is **88, 63.139, 146.757**.

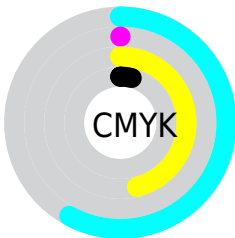
Distribution



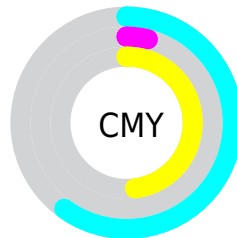
- Red (40%)
- Green (96%)
- Blue (52%)



- Red (40%)
- Yellow (86%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)





- Cyan (60%)
- Magenta (4%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 74.870, 145.413 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 87, 74.870, 145.413 by changing the saturation by 10% instead.


 87, 74.870,
145.413

 87, 74.870,
145.413


 100, 74.870,
145.413

 77, 74.870,
145.413

 67, 74.870,
145.413

 57, 74.870,
145.413

 47, 74.870,
145.413

 37, 74.870,
145.413


 27, 74.870,
145.413


 17, 74.870,


145.413


 7, 74.870, 145.413


 0, 74.870, 145.413


 87, 74.870,
145.413


 87, 74.870,
145.413


 86, 85.518,
143.904


 88, 63.139,
146.757


 86, 94.799,
142.257


 89, 50.616,
147.931

 85, 102.472,
140.537

 91, 37.586,
148.948

 85, 108.381,
138.869

 93, 24.300,
149.827

 85, 109.237,

 95, 10.967,

138.620

150.598

■ 97, 2.249, 331.053

■ 98, 6.060, 324.602

Harmonies

Complementary

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



87, 74.870, 145.413



65, 74.141, 335.215

Rectangle

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



87, 74.870, 145.413



87, 74.870, 195.413



87, 74.870, 325.413



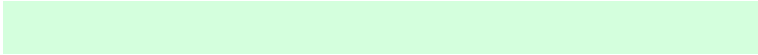
87, 74.870, 15.413

Sweetspot

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



87, 74.871, 145.413



96, 23.296, 149.930



92, 70.344, 114.225



51, 15.590, 149.765



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 74.871, 145.413



89, 89.959, 143.608



88, 49.438, 169.303



50, 7.508, 150.510



66, 88.188, 138.916



21, 36.677, 141.800

Inverse Universe

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



65, 74.141, 335.215



63, 87.208, 336.214



63, 58.762, 4.703



48, 7.534, 331.685



42, 77.170, 339.185



10, 35.046, 337.433

Previews

White Background



This preview shows how the CIELCh color 87, 74.870, 145.413 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 87, 74.870, 145.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

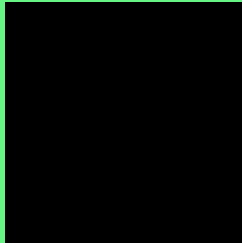
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

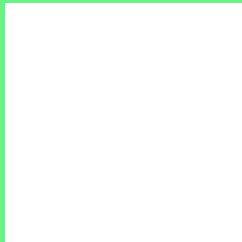
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 74.870, 145.413

Background



This preview shows how black text looks on a background with the CIELCh color 87, 74.870, 145.413.

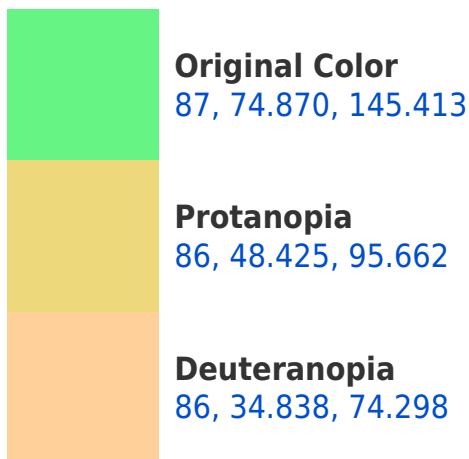


This preview shows how white text looks on a background with the CIELCh color 87, 74.870, 145.413.

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
87, 30.324, 216.992

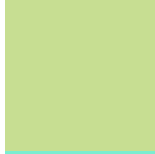
Trichromacy



Original Color
87, 74.870, 145.413



Protanomaly
86, 53.084, 122.893



Deuteranomaly
85, 40.157, 119.918

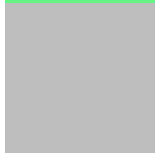


Tritanomaly
87, 39.777, 174.241

Monochromacy



Original Color
87, 74.870, 145.413



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 29.120, 149.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 74.870, 145.413 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(102, 245, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 245, 133)  
}
```

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(102, 245, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 245, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 74.870, 145.413 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(102, 245, 133) }
```

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

```
.border{ border-color:rgb(102, 245, 133) }
```

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

Here you see how a box with a 4 pixel rgb(102, 245, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 245, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 245, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 245,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 74.870, 145.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 245, 133) }
```

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

```
.background{ background-color: rgb(102,  
245, 133) }
```

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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