

Converting Colors

CIELCh(87, 74.672, 125.431)

Have a look what the booklet for
CIELCh(87, 74.672, 125.431)
contains.

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Color

CIELCh(87, 74.385, 125.416)

Conversions

Conversions Part 1

Format	Color
Hex	AAED5F
RGB	170, 237, 95
RGB Percent	67%, 93%, 37%
CMY	0.3330, 0.0702, 0.6271
CMYK	0.28, 0.00, 0.60, 0.07
HSL	88°, 80%, 65%
HSV	88°, 60%, 93%
XYZ	48.9782, 70.0064, 21.7790
YIQ	200.7790, 5.6500, -58.3660

Conversions

Conversions Part 2

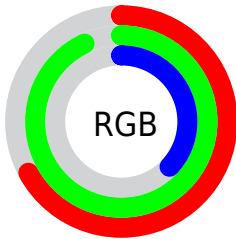
Format	Color
RYB	95, 237, 162
Decimal	11201887
CIELab	87.00, -43.11, 60.62
CIELCh	87, 74.385, 125.416
Yxy	70.0064, 0.3479, 0.4973
Android (android.graphics.Color)	4289391967 (0xFFAAED5F)
YUV	200.7790, -52.1490, -26.9932
Hunter-Lab	83.6698, -41.9329, 43.1359

Details

The CIELCh color **87, 74.385, 125.416** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **54, 82.071, 311.285**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 53.266, 117.619**, and **67, 74.498, 125.574** is the 20% darker color. If you saturate the color by 10%, you get **86, 84.465, 125.306**, and if you desaturate by 10%, it is **88, 63.084, 125.737**.

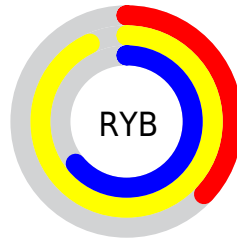
Distribution



Red (67%)

Green (93%)

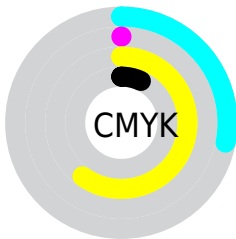
Blue (37%)



Red (37%)

Yellow (93%)

Blue (64%)

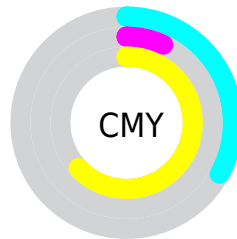


Cyan (28%)

Magenta (0%)

Yellow (60%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 74.385, 125.416 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, 74.385, 125.416 by changing the saturation by 10% instead.

 87, 74.385,
125.416


 87, 74.385,
125.416


 100, 74.385,
125.416


 77, 74.385,
125.416

 67, 74.385,
125.416

 57, 74.385,
125.416

 47, 74.385,
125.416

 37, 74.385,
125.416


 27, 74.385,
125.416


 17, 74.385,

125.416


 7, 74.385, 125.416


 0, 74.385, 125.416


 87, 74.385,
125.416


 87, 74.385,
125.416


 86, 84.465,
125.306


 88, 63.084,
125.737


 86, 92.769,
125.527


 89, 51.000,
126.170

 85, 98.777,
126.204

 90, 38.450,
126.655

 84, 102.516,
127.331

 91, 25.650,
127.152


 84, 102.552,


 92, 12.750,

127.343

127.638

 94, 0.149, 307.254

 95, 10.055,
313.804

 96, 11.167,
324.802

Harmonies

Complementary

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



87, 74.385, 125.416



54, 82.071, 311.285

Rectangle

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



87, 74.385, 125.416



87, 74.385, 175.416



87, 74.385, 305.416



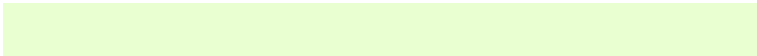
87, 74.385, 355.416

Sweetspot

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



87, 74.386, 125.417



97, 24.624, 127.241



73, 50.231, 64.592



52, 17.107, 127.097



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, 74.386, 125.417



92, 91.540, 125.324



84, 85.452, 138.624



49, 7.258, 127.659



66, 83.567, 127.058



19, 33.447, 126.257

Inverse Universe

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



54, 82.071, 311.285



51, 103.235, 311.756



63, 84.839, 326.417



45, 7.364, 308.508



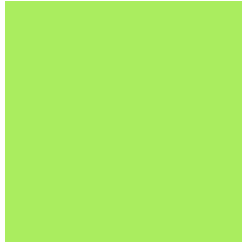
28, 97.059, 311.293



4, 37.533, 310.668

Previews

White Background



This preview shows how the CIELCh color 87, 74.385, 125.416 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, 74.385, 125.416 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, 74.385, 125.416

Background



This preview shows how black text looks on a background with the CIELCh color 87, 74.385, 125.416.

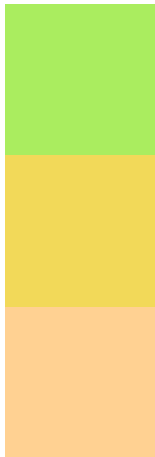


This preview shows how white text looks on a background with the CIELCh color 87, 74.385, 125.416.

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
87, 74.385, 125.416

Protanopia
87, 64.490, 95.174

Deuteranopia
86, 38.184, 77.634

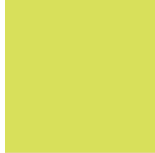


Tritanopia
87, 14.005, 241.390

Trichromacy



Original Color
87, 74.385, 125.416



Protanomaly
86, 65.528, 107.591



Deuteranomaly
86, 47.015, 103.642

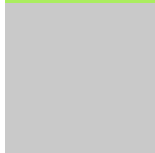


Tritanomaly
86, 26.471, 145.722

Monochromacy



Original Color
87, 74.385, 125.416



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 28.741, 126.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 74.385, 125.416 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(170, 237, 95)` looks like.

```
.text, #text, p{  
    color:rgb(170, 237, 95)  
}
```

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(170, 237, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 237, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 74.385, 125.416 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(170, 237, 95) }
```

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

```
.border{ border-color:rgb(170, 237, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 237, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 237, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 237, 95);  
box-shadow:4px 4px 4px 4px rgb(170, 237,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 74.385, 125.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 237, 95) }
```

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

```
.background{ background-color: rgb(170,  
237, 95) }
```

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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