

Converting Colors

CIELCh(88, 66.356, 127.397)

Have a look what the booklet for
CIELCh(88, 66.356, 127.397)
contains.

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Color

CIELCh(88, 66.209, 127.405)

Conversions

Conversions Part 1

Format	Color
Hex	AFEF74
RGB	175, 239, 116
RGB Percent	69%, 94%, 45%
CMY	0.3140, 0.0630, 0.5453
CMYK	0.27, 0.00, 0.51, 0.06
HSL	91°, 79%, 70%
HSV	91°, 51%, 94%
XYZ	51.6645, 72.0653, 27.6929
YIQ	205.8420, 1.3390, -51.8210

Conversions

Conversions Part 2

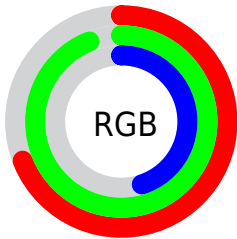
Format	Color
RYB	116, 239, 180
Decimal	11530100
CIELab	88.00, -40.22, 52.59
CIELCh	88, 66.209, 127.405
Yxy	72.0653, 0.3412, 0.4759
Android (android.graphics.Color)	4289720180 (0xFFAFE74)
YUV	205.8420, -44.2921, -27.0484
Hunter-Lab	84.8913, -39.9252, 40.0825

Details

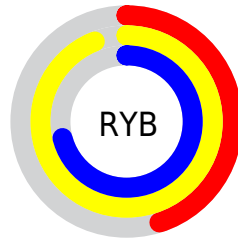
The CIELCh color **88, 66.209, 127.405** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60, 71.218, 312.323**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 42.974, 118.311**, and **68, 66.395, 127.486** is the 20% darker color. If you saturate the color by 10%, you get **87, 77.600, 127.100**, and if you desaturate by 10%, it is **89, 53.970, 127.833**.

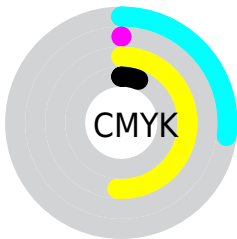
Distribution



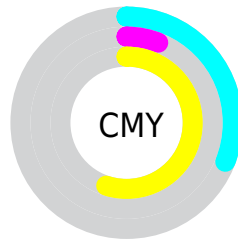
- Red (69%)
- Green (94%)
- Blue (45%)



- Red (45%)
- Yellow (94%)
- Blue (71%)



- Cyan (27%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)



- Cyan (31%)
- Magenta (6%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 66.209, 127.405 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 88, 66.209, 127.405 by changing the saturation by 10% instead.

■ 88, 66.209,
127.405

■ 88, 66.209,
127.405

■ 100, 66.209,
127.405

■ 78, 66.209,
127.405

■ 68, 66.209,
127.405

■ 58, 66.209,
127.405

■ 48, 66.209,
127.405

■ 38, 66.209,
127.405


■ 28, 66.209,
127.405

■ 18, 66.209,


127.405


 8, 66.209, 127.405


 0, 66.209, 127.405


 88, 66.209,
127.405


 88, 66.209,
127.405


 87, 77.600,
127.100


 89, 53.970,
127.833


 86, 87.668,
127.013


 90, 41.218,
128.312

 86, 95.847,
127.276

 91, 28.192,
128.802

 85, 101.638,
128.008

 93, 15.055,
129.279

 85, 104.808,

 94, 1.922, 129.788

128.965

96, 9.074, 314.701

96, 10.010,
324.759

Harmonies

Complementary

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



88, 66.209, 127.405



60, 71.218, 312.323

Rectangle

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



88, 66.209, 127.405



88, 66.209, 177.405



88, 66.209, 307.405



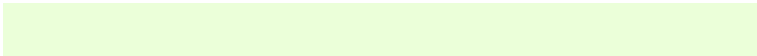
88, 66.209, 357.405

Sweetspot

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



88, 66.210, 127.406



98, 20.756, 129.111



77, 43.096, 70.556



52, 14.163, 129.010



0, 0.000, 0.000



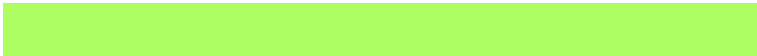
53, 0.007, 296.813

Same Dimension

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



88, 66.210, 127.406



92, 82.354, 127.084



85, 75.285, 140.564



50, 7.470, 129.373



67, 85.787, 128.694



20, 35.346, 127.691

Inverse Universe

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



60, 71.218, 312.323



57, 90.042, 312.783



67, 74.778, 327.610



46, 7.569, 310.184



29, 97.068, 312.376



5, 39.709, 312.717

Previews

White Background



This preview shows how the CIELCh color 88, 66.209, 127.405 looks on a white background.

Color Contrast Check

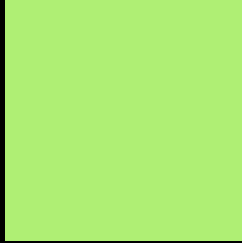
Large Text (above 18pt) WCAG AA × Fail

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 88, 66.209, 127.405 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

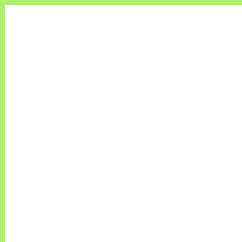
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 66.209, 127.405

Background



This preview shows how black text looks on a background with the CIELCh color 88, 66.209, 127.405.

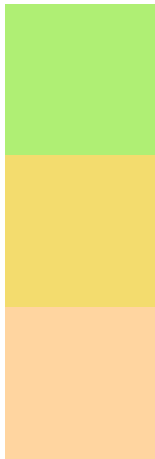


This preview shows how white text looks on a background with the CIELCh color 88, 66.209, 127.405.

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
88, 66.209, 127.405

Protanopia
88, 56.394, 95.569

Deuteranopia
88, 32.601, 76.490

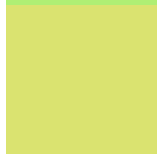


Tritanopia
88, 13.979, 241.357

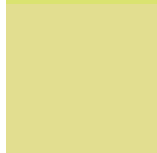
Trichromacy



Original Color
88, 66.209, 127.405



Protanomaly
87, 57.656, 109.055



Deuteranomaly
87, 40.044, 104.475

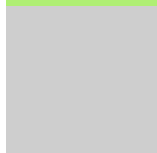


Tritanomaly
88, 23.533, 150.961

Monochromacy



Original Color
88, 66.209, 127.405



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 25.098, 128.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 66.209, 127.405 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(175, 239, 116)` looks like.

```
.text, #text, p{  
    color:rgb(175, 239, 116)  
}
```

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(175, 239, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 239, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 66.209, 127.405 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(175, 239, 116) }
```

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

```
.border{ border-color:rgb(175, 239, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 239, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 239, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 239, 116);  
box-shadow:4px 4px 4px 4px rgb(175, 239,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 66.209, 127.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 239, 116) }
```

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

```
.background{ background-color: rgb(175,  
239, 116) }
```

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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