

Converting Colors

CIELCh(87, 76.431, 120.273)

Have a look what the booklet for
CIELCh(87, 76.431, 120.273)
contains.

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Color

CIELCh(87, 76.591, 120.166)

Conversions

Conversions Part 1

Format	Color
Hex	B7EB52
RGB	183, 235, 82
RGB Percent	72%, 92%, 32%
CMY	0.2828, 0.0789, 0.6789
CMYK	0.22, 0.00, 0.65, 0.08
HSL	80°, 79%, 62%
HSV	80°, 65%, 92%
XYZ	50.6909, 70.0064, 18.7996
YIQ	202.0100, 18.1210, -58.6070

Conversions

Conversions Part 2

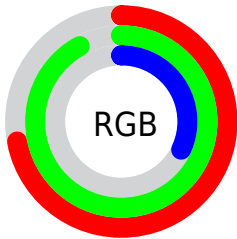
Format	Color
RYB	82, 235, 134
Decimal	12053330
CIELab	87.00, -38.49, 66.22
CIElCh	87, 76.591, 120.166
Yxy	70.0064, 0.3634, 0.5018
Android (android.graphics.Color)	4290243410 (0xFFB7EB52)
YUV	202.0100, -59.1649, -16.6718
Hunter-Lab	83.6698, -38.2789, 45.2472

Details

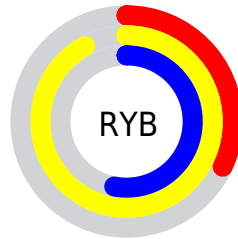
The CIELCh color **87, 76.591, 120.166** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **48, 88.576, 308.016**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 57.939, 110.895**, and **67, 76.648, 120.140** is the 20% darker color. If you saturate the color by 10%, you get **86, 85.265, 120.175**, and if you desaturate by 10%, it is **88, 66.413, 120.426**.

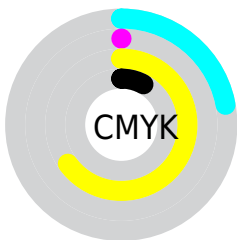
Distribution



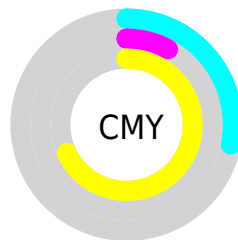
- Red (72%)
- Green (92%)
- Blue (32%)



- Red (32%)
- Yellow (92%)
- Blue (53%)



- Cyan (22%)
- Magenta (0%)
- Yellow (65%)
- Black (8%)





- Cyan (28%)
- Magenta (8%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 76.591, 120.166 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, 76.591, 120.166 by changing the saturation by 10% instead.


 87, 76.591,
120.166


 87, 76.591,
120.166


 100, 76.591,
120.166


 77, 76.591,
120.166

 67, 76.591,
120.166

 57, 76.591,
120.166

 47, 76.591,
120.166

 37, 76.591,
120.166


 27, 76.591,
120.166


 17, 76.591,


120.166

 7, 76.591, 120.166


 0, 76.591, 120.166


 87, 76.591,
120.166


 87, 76.591,
120.166


 86, 85.265,
120.175


 88, 66.413,
120.426


 86, 91.872,
120.568


 88, 55.231,
120.848

 85, 96.039,
121.441

 89, 43.421,
121.361

 85, 97.419,
121.986


 90, 31.240,
121.913


 91, 18.860,

122.475

 92, 6.397, 123.031

 94, 6.067, 303.532

 94, 11.198,
312.462

 95, 12.503,
324.495

Harmonies

Complementary

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



87, 76.591, 120.166



48, 88.576, 308.016

Rectangle

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



87, 76.591, 120.166



87, 76.591, 170.166



87, 76.591, 300.166



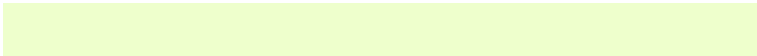
87, 76.591, 350.166

Sweetspot

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



87, 76.592, 120.168



98, 26.610, 122.197



66, 56.102, 51.691



52, 18.140, 122.038



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, 76.592, 120.168



93, 93.257, 120.254



83, 87.847, 135.630



49, 7.072, 122.791



67, 80.017, 121.729



20, 32.201, 120.938

Inverse Universe

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



48, 88.576, 308.016



45, 111.764, 308.818



58, 88.870, 322.354



45, 7.200, 303.816



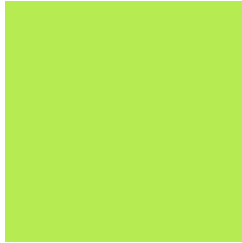
25, 99.684, 308.897



4, 36.848, 306.389

Previews

White Background



This preview shows how the CIELCh color 87, 76.591, 120.166 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, 76.591, 120.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

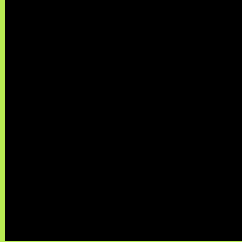
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 76.591, 120.166

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.591, 120.166.



This preview shows how white text looks on a background with the CIELCh color 87, 76.591, 120.166.

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, 76.591, 120.166

Protanopia
87, 69.675, 95.417

Deuteranopia
87, 39.307, 79.062

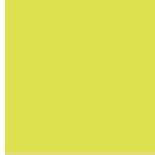


Tritanopia
87, 10.674, 255.897

Trichromacy



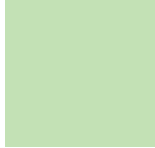
Original Color
87, 76.591, 120.166



Protanomaly
87, 70.254, 105.299



Deuteranomaly
86, 50.041, 101.149



Tritanomaly
86, 25.548, 134.279

Monochromacy



Original Color
87, 76.591, 120.166



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 30.138, 121.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.591, 120.166 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(183, 235, 82)` looks like.

```
.text, #text, p{  
    color:rgb(183, 235, 82)  
}
```

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(183, 235, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 235, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.591, 120.166 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(183, 235, 82) }
```

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

```
.border{ border-color:rgb(183, 235, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 235, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 235, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 235, 82);  
box-shadow:4px 4px 4px 4px rgb(183, 235,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.591, 120.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 235, 82) }
```

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

```
.background{ background-color: rgb(183,  
235, 82) }
```

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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