

Converting Colors

CIELCh(90, 80.726, 120.307)

Have a look what the booklet for
CIELCh(90, 80.726, 120.307)
contains.

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Color

CIELCh(90, 80.642, 120.298)

Conversions

Conversions Part 1

Format	Color
Hex	BCF451
RGB	188, 244, 81
RGB Percent	74%, 96%, 32%
CMY	0.2611, 0.0415, 0.6807
CMYK	0.23, 0.00, 0.67, 0.04
HSL	81°, 89%, 64%
HSV	81°, 67%, 96%
XYZ	54.8245, 76.3034, 19.7069
YIQ	208.6740, 18.9470, -62.5650

Conversions

Conversions Part 2

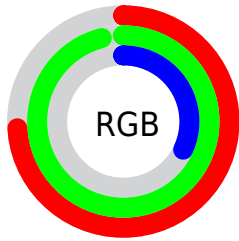
Format	Color
RYB	81, 244, 137
Decimal	12383313
CIELab	90.00, -40.68, 69.63
CIELCh	90, 80.642, 120.298
Yxy	76.3034, 0.3635, 0.5059
Android (android.graphics.Color)	4290573393 (0xFFBCF451)
YUV	208.6740, -62.9433, -18.1311
Hunter-Lab	87.3518, -40.8338, 47.7702

Details

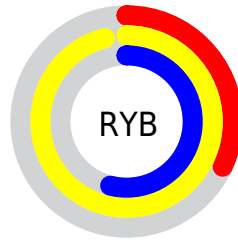
The CIELCh color **90, 80.642, 120.298** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **49, 93.602, 308.230**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 57.784, 108.936**, and **70, 80.873, 120.491** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.290, 120.368**, and if you desaturate by 10%, it is **91, 70.339, 120.519**.

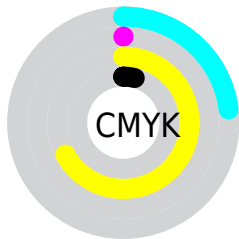
Distribution



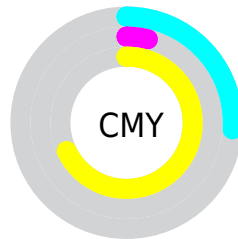
- Red (74%)
- Green (96%)
- Blue (32%)



- Red (32%)
- Yellow (96%)
- Blue (54%)



- Cyan (23%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)





- Cyan (26%)
- Magenta (4%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 80.642, 120.298 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 90, 80.642, 120.298 by changing the saturation by 10% instead.


 90, 80.642,
120.298


 90, 80.642,
120.298


 100, 80.642,
120.298


 80, 80.642,
120.298

 70, 80.642,
120.298

 60, 80.642,
120.298


 50, 80.642,
120.298

 40, 80.642,
120.298


 30, 80.642,
120.298


 20, 80.642,

120.298


 10, 80.642,
120.298


 0, 80.642, 120.298


 90, 80.642,
120.298


 90, 80.642,
120.298

 89, 89.290,
120.368


 91, 70.339,
120.519

 89, 95.710,
120.844

 92, 58.920,
120.918

 88, 99.595,
121.809

 92, 46.797,
121.419

 88, 100.542,
122.187

 93, 34.253,
121.966

■ 94, 21.480,
122.527

■ 96, 8.606, 123.081

■ 97, 4.279, 303.582

■ 97, 6.583, 324.624

Harmonies

Complementary

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



90, 80.642, 120.298



49, 93.602, 308.230

Rectangle

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



90, 80.642, 120.298



90, 80.642, 170.298



90, 80.642, 300.298



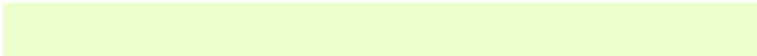
90, 80.642, 350.298

Sweetspot

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



90, 80.643, 120.300



98, 26.628, 122.339



68, 59.626, 51.628



52, 18.152, 122.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 80.643, 120.300



93, 94.804, 120.482



86, 92.401, 135.525



51, 7.328, 122.927



69, 81.799, 121.925



22, 34.894, 120.705

Inverse Universe

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



49, 93.602, 308.230



44, 114.031, 308.971



59, 93.416, 322.379



47, 7.460, 303.950



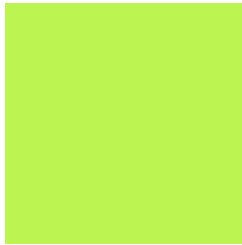
26, 101.719, 308.932



4, 40.998, 307.851

Previews

White Background



This preview shows how the CIELCh color 90, 80.642, 120.298 looks on a white background.

Color Contrast Check

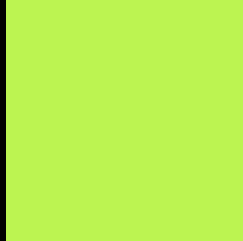
Large Text (above 18pt) WCAG AA × Fail

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 90, 80.642, 120.298 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 90, 80.642, 120.298

Background



This preview shows how black text looks on a background with the CIELCh color 90, 80.642, 120.298.

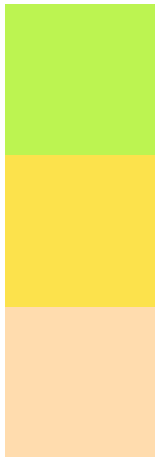


This preview shows how white text looks on a background with the CIELCh color 90, 80.642, 120.298.

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

90, 80.642, 120.298

Protanopia

90, 73.144, 95.418

Deuteranopia

90, 27.692, 78.203

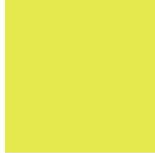


Tritanopia
90, 11.574, 253.290

Trichromacy



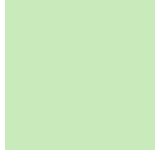
Original Color
90, 80.642, 120.298



Protanomaly
90, 74.067, 105.431



Deuteranomaly
89, 45.221, 105.403

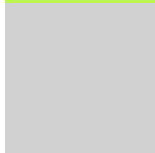


Tritanomaly
90, 27.862, 135.059

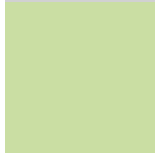
Monochromacy



Original Color
90, 80.642, 120.298



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 31.526, 121.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 80.642, 120.298 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(188, 244, 81)` looks like.

```
.text, #text, p{  
    color:rgb(188, 244, 81)  
}
```

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(188, 244, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 244, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 80.642, 120.298 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(188, 244, 81) }
```

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

```
.border{ border-color:rgb(188, 244, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 244, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 244, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 244, 81);  
box-shadow:4px 4px 4px 4px rgb(188, 244,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 80.642, 120.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 244, 81) }
```

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

```
.background{ background-color: rgb(188,  
244, 81) }
```

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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