

Converting Colors

CIELCh(89, 78.793, 120.372)

Have a look what the booklet for
CIELCh(89, 78.793, 120.372)
contains.

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Color

CIELCh(89, 78.627, 120.238)

Conversions

Conversions Part 1

Format	Color
Hex	BBF153
RGB	187, 241, 83
RGB Percent	73%, 95%, 33%
CMY	0.2663, 0.0545, 0.6741
CMYK	0.22, 0.00, 0.66, 0.05
HSL	81°, 85%, 64%
HSV	81°, 66%, 95%
XYZ	53.5609, 74.1641, 19.6934
YIQ	206.8420, 18.5340, -60.5860

Conversions

Conversions Part 2

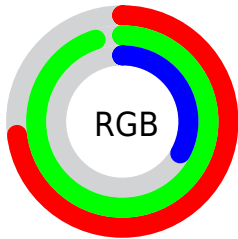
Format	Color
RYB	83, 241, 137
Decimal	12317011
CIELab	89.00, -39.60, 67.93
CIELCh	89, 78.627, 120.238
Yxy	74.1641, 0.3633, 0.5031
Android (android.graphics.Color)	4290507091 (0xFFBBF153)
YUV	206.8420, -61.0541, -17.4014
Hunter-Lab	86.1186, -39.6907, 46.7247

Details

The CIELCh color **89, 78.627, 120.238** 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, 91.007, 308.100**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 57.351, 109.390**, and **69, 78.710, 120.200** is the 20% darker color. If you saturate the color by 10%, you get **88, 87.401, 120.265**, and if you desaturate by 10%, it is **90, 68.286, 120.487**.

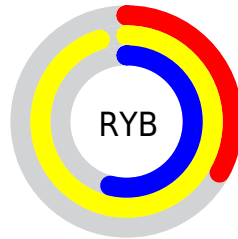
Distribution



Red (73%)

Green (95%)

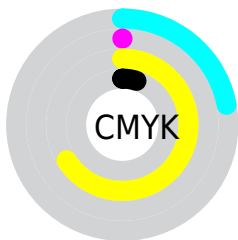
Blue (33%)



Red (33%)

Yellow (95%)

Blue (54%)

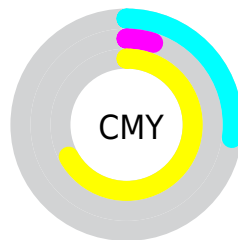


Cyan (22%)

Magenta (0%)

Yellow (66%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 78.627, 120.238 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 89, 78.627, 120.238 by changing the saturation by 10% instead.

■ 89, 78.627,
120.238

■ 89, 78.627,
120.238

■ 100, 78.627,
120.238

■ 79, 78.627,
120.238

■ 69, 78.627,
120.238

■ 59, 78.627,
120.238

■ 49, 78.627,
120.238

■ 39, 78.627,
120.238

■ 29, 78.627,
120.238

■ 19, 78.627,

120.238

■ 9, 78.627, 120.238

■ 0, 78.627, 120.238

■ 89, 78.627,
120.238

■ 89, 78.627,
120.238

■ 88, 87.401,
120.265

■ 90, 68.286,
120.487

■ 88, 94.035,
120.684

■ 91, 56.898,
120.902

■ 87, 98.167,
121.587

■ 91, 44.853,
121.412

■ 87, 99.436,
122.095

■ 92, 32.418,
121.963

■ 93, 19.774,

122.524

 95, 7.042, 123.079

 96, 5.694, 303.581

 96, 8.294, 320.713

 97, 8.667, 324.707

Harmonies

Complementary

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



89, 78.627, 120.238



49, 91.007, 308.100

Rectangle

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



89, 78.627, 120.238



89, 78.627, 170.238



89, 78.627, 300.238



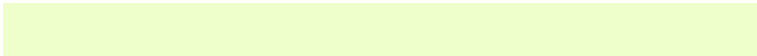
89, 78.627, 350.238

Sweetspot

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



89, 78.628, 120.240



98, 26.619, 122.270



67, 57.739, 51.673



52, 18.146, 122.112



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 78.628, 120.240



93, 94.044, 120.368



85, 90.139, 135.599



50, 7.200, 122.861



68, 80.910, 121.830



21, 33.568, 120.801

Inverse Universe

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



49, 91.007, 308.100



44, 112.913, 308.898



59, 91.172, 322.362



46, 7.330, 303.885



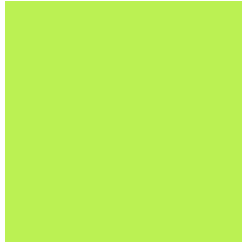
25, 100.702, 308.915



4, 38.961, 307.190

Previews

White Background



This preview shows how the CIELCh color 89, 78.627, 120.238 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 89, 78.627, 120.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

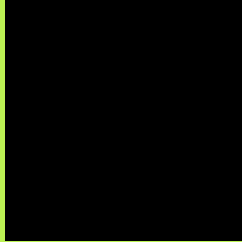
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 78.627, 120.238

Background



This preview shows how black text looks on a background with the CIELCh color 89, 78.627, 120.238.

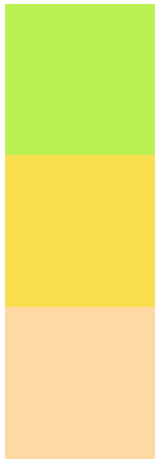


This preview shows how white text looks on a background with the CIELCh color 89, 78.627, 120.238.

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

89, 78.627, 120.238

Protanopia

89, 71.273, 95.272

Deuteranopia

89, 31.153, 78.656

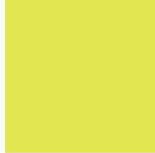


Tritanopia
89, 11.004, 252.961

Trichromacy



Original Color
89, 78.627, 120.238



Protanomaly
89, 72.185, 105.559



Deuteranomaly
88, 46.304, 104.286

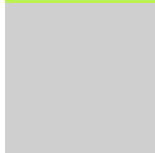


Tritanomaly
88, 26.686, 134.693

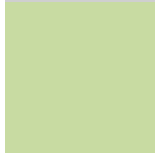
Monochromacy



Original Color
89, 78.627, 120.238



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 30.511, 121.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 78.627, 120.238 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(187, 241, 83)` looks like.

```
.text, #text, p{  
    color:rgb(187, 241, 83)  
}
```

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(187, 241, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 78.627, 120.238 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(187, 241, 83) }
```

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

```
.border{ border-color:rgb(187, 241, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 241, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 241, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 241, 83);  
box-shadow:4px 4px 4px 4px rgb(187, 241,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 78.627, 120.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 83) }
```

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

```
.background{ background-color: rgb(187,  
241, 83) }
```

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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