

# Converting Colors

CIELCh(89, 79.911, 123.266)

Have a look what the booklet for  
CIELCh(89, 79.911, 123.266)  
contains.

<b>CIELCh(89, 79.777, 123.404)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(89, 79.777, 123.404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F356
RGB	177, 243, 86
RGB Percent	69%, 95%, 34%
CMY	0.3056, 0.0468, 0.6625
CMYK	0.27, 0.00, 0.65, 0.05
HSL	85°, 87%, 65%
HSV	85°, 65%, 95%
XYZ	51.8959, 74.1641, 20.3966
YIQ	205.3680, 11.0610, -62.8190

# Conversions

## Conversions Part 2

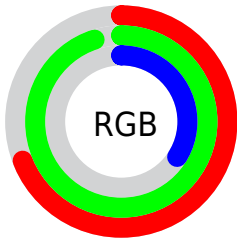
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 243, 152
Decimal	11662166
CIE <sub>Lab</sub>	89.00, -43.92, 66.60
CIE <sub>LCh</sub>	89, 79.777, 123.404
Yxy	74.1641, 0.3543, 0.5064
Android (android.graphics.Color)	4289852246 (0xFFB1F356)
YUV	205.3680, -58.8484, -24.8787
Hunter-Lab	86.1186, -43.1416, 46.2406

# Details

The CIELCh color **89, 79.777, 123.404** 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 **52, 90.121, 310.091**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 56.393, 113.569**, and **69, 79.501, 123.253** is the 20% darker color. If you saturate the color by 10%, you get **88, 89.074, 123.439**, and if you desaturate by 10%, it is **90, 68.970, 123.639**.

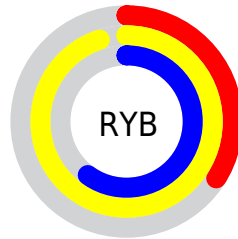
# Distribution



Red (69%)

Green (95%)

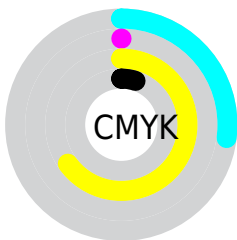
Blue (34%)



Red (34%)

Yellow (95%)

Blue (60%)

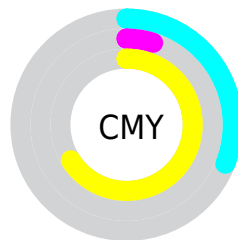


Cyan (27%)

Magenta (0%)

Yellow (65%)

Black (5%)



Cyan (31%)

Magenta (5%)

Yellow (66%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 79.777, 123.404 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, 79.777, 123.404 by changing the saturation by 10% instead.



 89, 79.777,  
123.404

 89, 79.777,  
123.404

 100, 79.777,  
123.404

 79, 79.777,  
123.404

 69, 79.777,  
123.404

 59, 79.777,  
123.404

 49, 79.777,  
123.404

 39, 79.777,  
123.404

 29, 79.777,  
123.404

 19, 79.777,


123.404


 9, 79.777, 123.404


 0, 79.777, 123.404


 89, 79.777,  
123.404


 89, 79.777,  
123.404


 88, 89.074,  
123.439


 90, 68.970,  
123.639


 88, 96.281,  
123.867


 91, 57.162,  
124.033

 87, 100.996,  
124.792

 92, 44.735,  
124.510

 87, 102.726,  
125.446

 93, 31.950,  
125.021

 94, 18.986,

125.534

 95, 5.964, 126.040

 97, 6.438, 307.962

 97, 7.435, 324.659

# Harmonies

# Complementary

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



89, 79.777, 123.404



52, 90.121, 310.091

# Rectangle

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



89, 79.777, 123.404



89, 79.777, 173.404



89, 79.777, 303.404



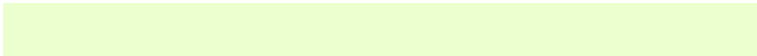
89, 79.777, 353.404

# Sweetspot

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



89, 79.778, 123.405



97, 25.693, 125.307



71, 55.990, 59.291



52, 17.674, 125.159



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, 79.778, 123.405



92, 95.342, 123.541



86, 91.573, 137.277



51, 7.434, 125.792



68, 83.893, 125.172



22, 35.650, 123.883



# Inverse Universe

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



52, 90.121, 310.091



46, 110.793, 310.608



62, 91.282, 324.980



47, 7.554, 306.703



27, 100.186, 310.235

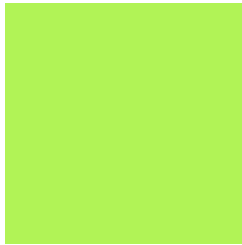


5, 41.260, 310.043



# Previews

## White Background



This preview shows how the CIELCh color 89, 79.777, 123.404 looks on a white background.

## Color Contrast Check

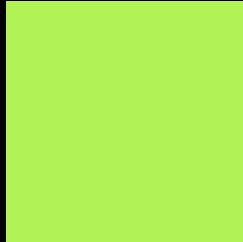
Large Text (above 18pt) WCAG AA × Fail

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, 79.777, 123.404 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, 79.777, 123.404

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 79.777, 123.404.

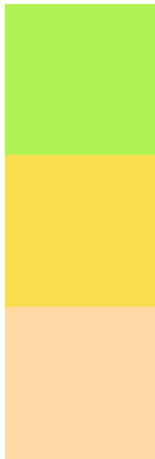


This preview shows how white text looks on a background with the CIELCh color 89, 79.777, 123.404.

# 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

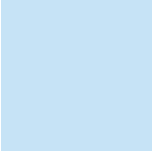


**Original Color**  
89, 79.777, 123.404

**Protanopia**  
89, 70.513, 95.246

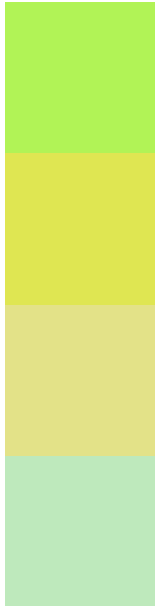
**Deuteranopia**  
88, 30.937, 77.602





**Tritanopia**  
89, 13.619, 245.833

# Trichromacy



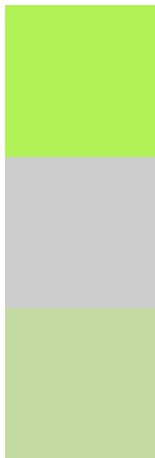
**Original Color**  
89, 79.777, 123.404

**Protanomaly**  
88, 71.466, 106.640

**Deuteranomaly**  
88, 45.789, 105.833

**Tritanomaly**  
88, 28.267, 142.092

# Monochromacy



**Original Color**  
89, 79.777, 123.404

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
84, 31.064, 124.979

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 79.777, 123.404 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(177, 243, 86)` looks like.

```
.text, #text, p{  
    color:rgb(177, 243, 86)  
}
```

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(177, 243, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 243, 86) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 79.777, 123.404 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(177, 243, 86) }
```

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

```
.border{ border-color:rgb(177, 243, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 243, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 243, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 243, 86);  
box-shadow:4px 4px 4px 4px rgb(177, 243,  
86) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 79.777, 123.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 243, 86) }
```

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

```
.background{ background-color: rgb(177,  
243, 86) }
```

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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