

Converting Colors

CIELCh(90, 79.405, 123.514)

Have a look what the booklet for
CIELCh(90, 79.405, 123.514)
contains.

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Color

CIELCh(90, 79.388, 123.523)

Conversions

Conversions Part 1

Format	Color
Hex	B4F65A
RGB	180, 246, 90
RGB Percent	71%, 96%, 35%
CMY	0.2944, 0.0355, 0.6473
CMYK	0.27, 0.00, 0.63, 0.04
HSL	85°, 90%, 66%
HSV	85°, 63%, 96%
XYZ	53.5852, 76.3034, 21.5622
YIQ	208.4820, 10.7400, -62.5080

Conversions

Conversions Part 2

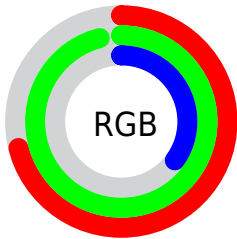
Format	Color
RYB	90, 246, 156
Decimal	11859546
CIELab	90.00, -43.84, 66.18
CIELCh	90, 79.388, 123.523
Yxy	76.3034, 0.3538, 0.5038
Android (android.graphics.Color)	4290049626 (0xFFB4F65A)
YUV	208.4820, -58.4116, -24.9787
Hunter-Lab	87.3518, -43.3663, 46.5109

Details

The CIELCh color **90, 79.388, 123.523** 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 **53, 89.395, 310.104**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 54.387, 112.725**, and **70, 79.103, 123.411** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.984, 123.522**, and if you desaturate by 10%, it is **91, 68.330, 123.781**.

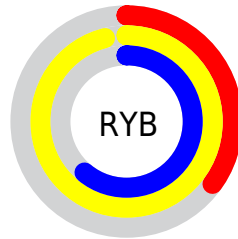
Distribution



Red (71%)

Green (96%)

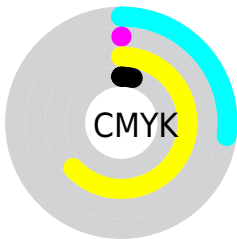
Blue (35%)



Red (35%)

Yellow (96%)

Blue (61%)

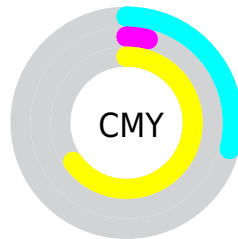


Cyan (27%)

Magenta (0%)

Yellow (63%)

Black (4%)



Cyan (29%)


Magenta (4%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 79.388, 123.523 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, 79.388, 123.523 by changing the saturation by 10% instead.


 90, 79.388,
123.523


 90, 79.388,
123.523

 100, 79.388,
123.523


 80, 79.388,
123.523

 70, 79.388,
123.523

 60, 79.388,
123.523

 50, 79.388,
123.523

 40, 79.388,
123.523

 30, 79.388,
123.523

 20, 79.388,

123.523

■ 10, 79.388,
123.523

■ 0, 79.388, 123.523

■ 90, 79.388,
123.523

■ 90, 79.388,
123.523

■ 89, 88.984,
123.522

■ 91, 68.330,
123.781

■ 89, 96.532,
123.902

■ 92, 56.312,
124.187

■ 88, 101.587,
124.771

■ 93, 43.704,
124.670

■ 88, 103.748,
125.563

■ 94, 30.759,
125.181

95, 17.650,
125.693

96, 4.496, 126.200

98, 5.240, 317.541

98, 5.642, 324.583

Harmonies

Complementary

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



90, 79.388, 123.523



53, 89.395, 310.104

Rectangle

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



90, 79.388, 123.523



90, 79.388, 173.523



90, 79.388, 303.523



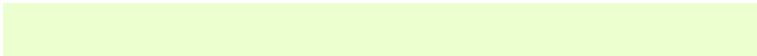
90, 79.388, 353.523

Sweetspot

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



90, 79.389, 123.524



97, 25.708, 125.407



72, 55.355, 59.401



52, 17.684, 125.260



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, 79.389, 123.524



92, 93.797, 123.582



87, 91.108, 137.376



51, 7.439, 125.891



68, 83.969, 125.278



22, 35.678, 123.988

Inverse Universe

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



53, 89.395, 310.104



48, 108.463, 310.628



63, 90.878, 324.953



47, 7.558, 306.798



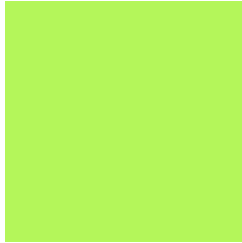
27, 100.130, 310.286



5, 41.269, 310.122

Previews

White Background



This preview shows how the CIELCh color 90, 79.388, 123.523 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, 79.388, 123.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

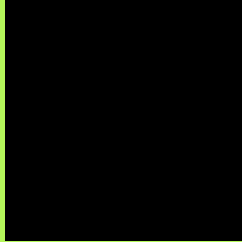
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 79.388, 123.523

Background



This preview shows how black text looks on a background with the CIELCh color 90, 79.388, 123.523.

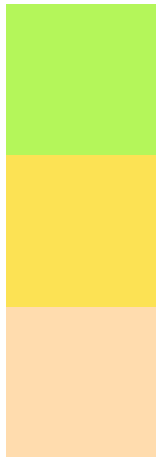


This preview shows how white text looks on a background with the CIELCh color 90, 79.388, 123.523.

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](#).

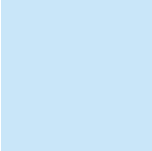
Dichromacy



Original Color
90, 79.388, 123.523

Protanopia
90, 70.116, 95.319

Deuteranopia
90, 27.692, 78.203

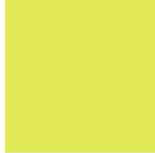


Tritanopia
90, 13.593, 245.800

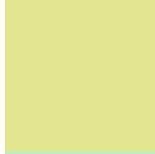
Trichromacy



Original Color
90, 79.388, 123.523



Protanomaly
89, 71.078, 106.731



Deuteranomaly
89, 43.753, 107.076

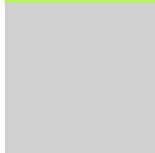


Tritanomaly
89, 28.198, 142.108

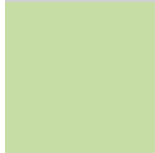
Monochromacy



Original Color
90, 79.388, 123.523



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 30.988, 124.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 79.388, 123.523 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(180, 246, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 90)  
}
```

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(180, 246, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 79.388, 123.523 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(180, 246, 90) }
```

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

```
.border{ border-color:rgb(180, 246, 90) }
```

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

Here you see how a box with a 4 pixel rgb(180, 246, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 79.388, 123.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 90) }
```

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

```
.background{ background-color: rgb(180,  
246, 90) }
```

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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