

Converting Colors

CIELCh(83, 66.156, 120.796)

Have a look what the booklet for
CIELCh(83, 66.156, 120.796)
contains.

CIELCh(83, 66.199, 120.826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 66.199, 120.826)

Conversions

Conversions Part 1

Format	Color
Hex	B1DE5E
RGB	177, 222, 94
RGB Percent	69%, 87%, 37%
CMY	0.3073, 0.1308, 0.6327
CMYK	0.20, 0.00, 0.58, 0.13
HSL	81°, 66%, 62%
HSV	81°, 58%, 87%
XYZ	46.0838, 62.1629, 20.0810
YIQ	193.9530, 14.2680, -49.3480

Conversions

Conversions Part 2

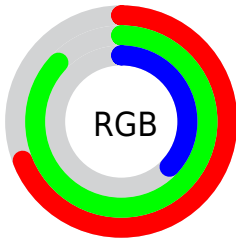
Format	Color
RYB	94, 222, 139
Decimal	11656798
CIELab	83.00, -33.92, 56.85
CIElCh	83, 66.199, 120.826
Yxy	62.1629, 0.3591, 0.4844
Android (android.graphics.Color)	4289846878 (0xFFB1DE5E)
YUV	193.9530, -49.2768, -14.8678
Hunter-Lab	78.8435, -33.6434, 40.0896

Details

The CIELCh color **83, 66.199, 120.826** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **50, 74.793, 307.745**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 53.683, 114.550**, and **63, 66.295, 120.991** is the 20% darker color. If you saturate the color by 10%, you get **82, 75.654, 120.631**, and if you desaturate by 10%, it is **84, 55.691, 121.210**.

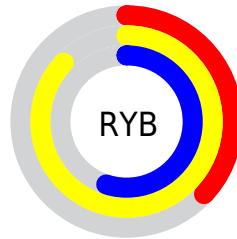
Distribution



Red (69%)

Green (87%)

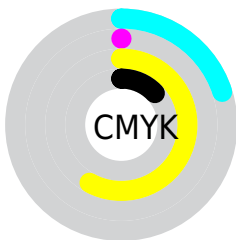
Blue (37%)



Red (37%)

Yellow (87%)

Blue (55%)

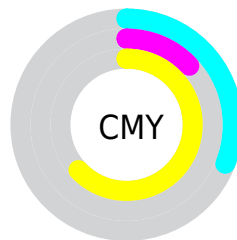


Cyan (20%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (31%)

Magenta (13%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 66.199, 120.826 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 83, 66.199, 120.826 by changing the saturation by 10% instead.

■ 83, 66.199,
120.826

■ 83, 66.199,
120.826

■ 100, 66.199,
120.826

■ 73, 66.199,
120.826

■ 63, 66.199,
120.826

■ 53, 66.199,
120.826

■ 43, 66.199,
120.826

■ 33, 66.199,
120.826

■ 23, 66.199,
120.826

■ 13, 66.199,

120.826

■ 3, 66.199, 120.826

■ 0, 66.199, 120.826

■ 83, 66.199,
120.826

■ 83, 66.199,
120.826

■ 82, 75.654,
120.631

■ 84, 55.691,
121.210

■ 82, 83.551,
120.728

■ 85, 44.511,
121.696

■ 81, 89.376,
121.237

■ 85, 32.928,
122.233

■ 81, 92.924,
122.221

■ 86, 21.123,
122.785

■ 81, 93.578,

■ 87, 9.218, 123.331

122.466

■ 89, 2.702, 303.817

■ 90, 14.580,
304.329

■ 91, 18.409,
310.357

■ 91, 19.447,
317.974

Harmonies

Complementary

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



83, 66.199, 120.826



50, 74.793, 307.745

Rectangle

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



83, 66.199, 120.826



83, 66.199, 170.826



83, 66.199, 300.826



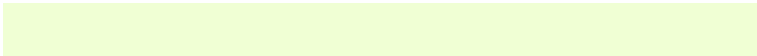
83, 66.199, 350.826

Sweetspot

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



83, 66.200, 120.828



98, 22.681, 122.818



65, 46.064, 53.555



52, 15.165, 122.706



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 66.200, 120.828



93, 85.829, 120.623



80, 76.103, 136.521



46, 6.704, 123.239



65, 77.762, 122.208



17, 27.999, 122.484

Inverse Universe

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



50, 74.793, 307.745



50, 100.052, 308.594



58, 76.929, 322.712



43, 6.823, 304.237



24, 96.294, 309.108



3, 30.379, 303.996

Previews

White Background



This preview shows how the CIELCh color 83, 66.199, 120.826 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 83, 66.199, 120.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

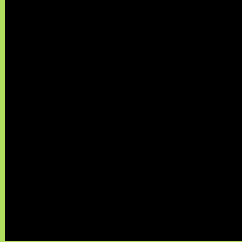
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 66.199, 120.826

Background



This preview shows how black text looks on a background with the CIELCh color 83, 66.199, 120.826.

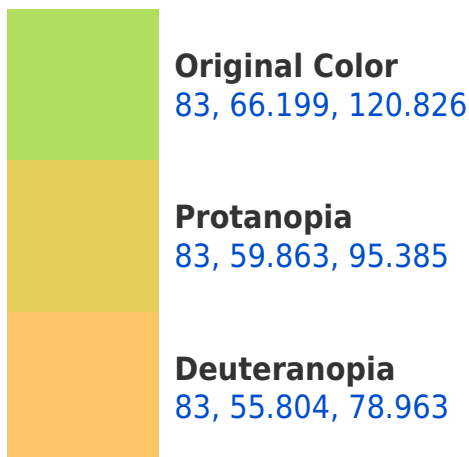


This preview shows how white text looks on a background with the CIELCh color 83, 66.199, 120.826.

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





Tritanopia
83, 10.256, 260.731

Trichromacy



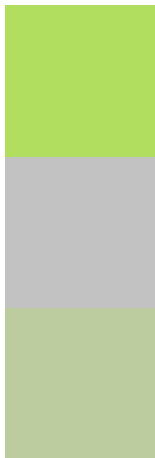
Original Color
83, 66.199, 120.826

Protanomaly
83, 60.536, 105.657

Deuteranomaly
82, 55.292, 95.935

Tritanomaly
83, 21.360, 135.673

Monochromacy



Original Color
83, 66.199, 120.826

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 25.053, 122.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 66.199, 120.826 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, 222, 94)` looks like.

```
.text, #text, p{  
    color:rgb(177, 222, 94)  
}
```

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, 222, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 222, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 66.199, 120.826 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, 222, 94) }
```

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

```
.border{ border-color:rgb(177, 222, 94) }
```

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

Here you see how a box with a 4 pixel rgb(177, 222, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 222, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 222, 94);  
box-shadow:4px 4px 4px 4px rgb(177, 222,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 66.199, 120.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 222, 94) }
```

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

```
.background{ background-color: rgb(177,  
222, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor