

Converting Colors

CIELCh(83, 81.835, 116.993)

Have a look what the booklet for
CIELCh(83, 81.835, 116.993)
contains.

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Color

CIELCh(83, 81.835, 116.993)

Conversions

Conversions Part 1

Format	Color
Hex	B1DF33
RGB	177, 223, 51
RGB Percent	69%, 87%, 20%
CMY	0.3071, 0.1266, 0.8014
CMYK	0.21, 0.00, 0.77, 0.13
HSL	76°, 73%, 54%
HSV	76°, 77%, 87%
XYZ	44.9594, 62.1629, 12.7198
YIQ	189.6380, 27.7960, -63.2440

Conversions

Conversions Part 2

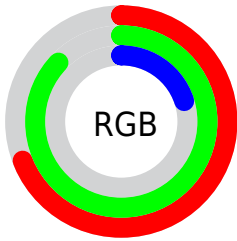
Format	Color
RYB	51, 223, 97
Decimal	11657011
CIELab	83.00, -37.14, 72.92
CIElCh	83, 81.835, 116.993
Yxy	62.1629, 0.3752, 0.5187
Android (android.graphics.Color)	4289847091 (0xFFB1DF33)
YUV	189.6380, -68.3485, -11.0835
Hunter-Lab	78.8435, -36.1889, 45.6252

Details

The CIELCh color **83, 81.835, 116.993** is a light color, and the websafe version is hex **99CC00**. The color can be described as light muted chartreuse. A complement of this color would be **38, 100.183, 307.290**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 70.022, 111.165**, and **63, 74.414, 119.081** is the 20% darker color. If you saturate the color by 10%, you get **83, 87.475, 117.362**, and if you desaturate by 10%, it is **84, 74.107, 117.005**.

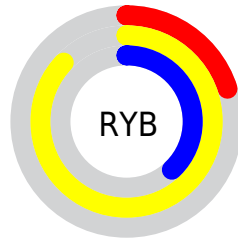
Distribution



Red (69%)

Green (87%)

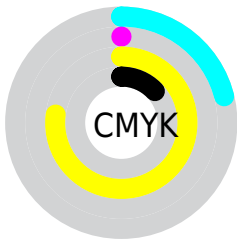
Blue (20%)



Red (20%)

Yellow (87%)

Blue (38%)

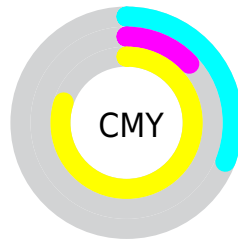


Cyan (21%)

Magenta (0%)

Yellow (77%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 81.835, 116.993 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, 81.835, 116.993 by changing the saturation by 10% instead.


 83, 81.835,
116.993


 83, 81.835,
116.993


 100, 81.835,
116.993


 73, 81.835,
116.993

 63, 81.835,
116.993

 53, 81.835,
116.993

 43, 81.835,
116.993

 33, 81.835,
116.993

 23, 81.835,
116.993

 13, 81.835,

116.993

■ 3, 81.835, 116.993

■ 0, 81.835, 116.993

■ 83, 81.835,
116.993

■ 83, 81.835,
116.993

■ 83, 87.475,
117.362

■ 84, 74.107,
117.005

■ 82, 90.777,
118.173

■ 84, 64.816,
117.286

■ 82, 91.475,
118.430

■ 85, 54.466,
117.741

■ 85, 43.441,
118.296

■ 86, 32.008,

118.902

■ 87, 20.342,
119.523

■ 88, 8.562, 120.141

■ 89, 3.250, 300.720

■ 90, 15.040,
301.297

Harmonies

Complementary

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



83, 81.835, 116.993



38, 100.183, 307.290

Rectangle

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



83, 81.835, 116.993



83, 81.835, 166.993



83, 81.835, 296.993



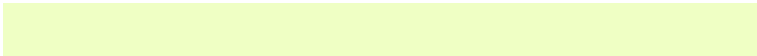
83, 81.835, 346.993

Sweetspot

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



83, 81.835, 116.995



98, 30.201, 119.155



56, 67.750, 46.367



52, 20.869, 118.929



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, 81.835, 116.995



93, 99.527, 117.837



79, 93.912, 133.750



47, 6.741, 120.007



66, 76.618, 118.218



18, 28.839, 118.172

Inverse Universe

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



38, 100.183, 307.290



37, 127.138, 307.893



49, 96.125, 320.298



43, 6.874, 301.165



23, 98.795, 307.958



3, 32.202, 302.363

Previews

White Background



This preview shows how the CIELCh color 83, 81.835, 116.993 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, 81.835, 116.993 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, 81.835, 116.993

Background



This preview shows how black text looks on a background with the CIELCh color 83, 81.835, 116.993.



This preview shows how white text looks on a background with the CIELCh color 83, 81.835, 116.993.

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](#).

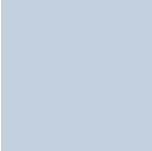
Dichromacy



Original Color
83, 81.835, 116.993

Protanopia
83, 76.047, 95.224

Deuteranopia
83, 63.214, 80.847



Tritanopia
83, 9.486, 262.625

Trichromacy



Original Color
83, 81.835, 116.993

Protanomaly
83, 76.657, 103.827

Deuteranomaly
82, 66.691, 96.420

Tritanomaly
82, 28.898, 127.257

Monochromacy



Original Color
83, 81.835, 116.993

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 33.211, 118.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 81.835, 116.993 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, 223, 51)` looks like.

```
.text, #text, p{  
    color:rgb(177, 223, 51)  
}
```

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, 223, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 223, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 81.835, 116.993 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, 223, 51) }
```

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

```
.border{ border-color:rgb(177, 223, 51) }
```

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

Here you see how a box with a 4 pixel rgb(177, 223, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 223, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 223, 51);  
box-shadow:4px 4px 4px 4px rgb(177, 223,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 81.835, 116.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 223, 51) }
```

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

```
.background{ background-color: rgb(177,  
223, 51) }
```

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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