

Converting Colors

CIELCh(83, 102.420, 139.664)

Have a look what the booklet for
CIELCh(83, 102.420, 139.664)
contains.

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Color

CIELCh(83, 102.623, 139.626)

Conversions

Conversions Part 1

Format	Color
Hex	1BEF42
RGB	27, 239, 66
RGB Percent	11%, 94%, 26%
CMY	0.8941, 0.0640, 0.7425
CMYK	0.89, 0.00, 0.72, 0.06
HSL	131°, 87%, 52%
HSV	131°, 89%, 94%
XYZ	32.1956, 62.1629, 15.4041
YIQ	155.8900, -70.8190, -98.7470

Conversions

Conversions Part 2

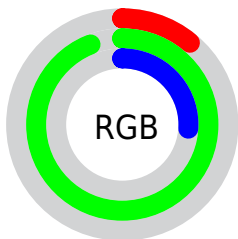
Format	Color
RYB	27, 206, 239
Decimal	1830722
CIELab	83.00, -78.18, 66.48
CIELCh	83, 102.623, 139.626
Yxy	62.1629, 0.2933, 0.5663
Android (android.graphics.Color)	4280020802 (0xFF1BEF42)
YUV	155.8900, -44.3158, -113.0365
Hunter-Lab	78.8435, -65.0860, 43.6066

Details

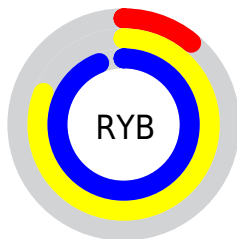
The CIELCh color **83, 102.623, 139.626** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **55, 93.973, 336.203**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 81.214, 140.650**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 108.108, 138.126**, and if you desaturate by 10%, it is **83, 95.223, 141.239**.

Distribution



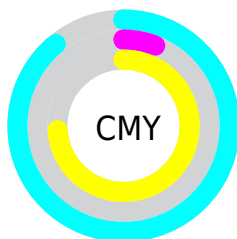
- Red (11%)
- Green (94%)
- Blue (26%)



- Red (11%)
- Yellow (81%)
- Blue (94%)



- Cyan (89%)
- Magenta (0%)
- Yellow (72%)
- Black (6%)





- Cyan (89%)
- Magenta (6%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 102.623, 139.626 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, 102.623, 139.626 by changing the saturation by 10% instead.


 83, 102.623,
139.626


 83, 102.623,
139.626


 100, 102.623,
139.626


 73, 102.623,
139.626

 63, 102.623,
139.626

 53, 102.623,
139.626

 43, 102.623,
139.626

 33, 102.623,
139.626

 23, 102.623,
139.626

 13, 102.623,

139.626

■ 3, 102.623,
139.626

■ 0, 102.623,
139.626

■ 83, 102.623,
139.626

■ 83, 102.623,
139.626

■ 83, 108.108,
138.126

■ 83, 95.223,
141.239

■ 83, 108.702,
137.961

■ 84, 86.095,
142.821

■ 85, 75.519,
144.292

■ 86, 63.807,
145.613

■ 87, 51.273,
146.772

■ 89, 38.214,
147.778

■ 90, 24.892,
148.645

■ 92, 11.521,
149.402

■ 95, 1.734, 329.809

Harmonies

Complementary

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



83, 102.623, 139.626



55, 93.973, 336.203

Rectangle

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



83, 102.623, 139.626



83, 102.623, 189.626



83, 102.623, 319.626



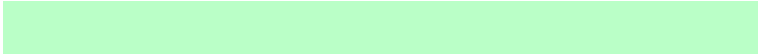
83, 102.623, 9.626

Sweetspot

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



83, 102.623, 139.627



94, 37.956, 147.925



89, 90.948, 112.349



50, 25.555, 147.604



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, 102.623, 139.627



88, 114.431, 137.907



84, 66.392, 161.418



49, 7.563, 149.345



65, 88.746, 138.219



19, 36.125, 141.304

Inverse Universe

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



55, 93.973, 336.203



58, 99.977, 337.335



52, 78.394, 13.016



47, 7.585, 330.488



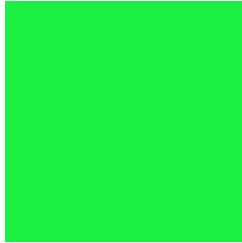
42, 78.334, 337.117



9, 34.861, 335.665

Previews

White Background



This preview shows how the CIE LCh color 83, 102.623, 139.626 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, 102.623, 139.626 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, 102.623, 139.626

Background



This preview shows how black text looks on a background with the CIELCh color 83, 102.623, 139.626.

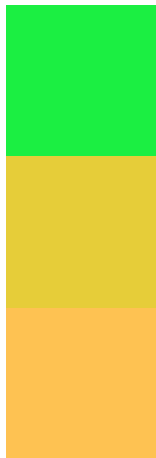


This preview shows how white text looks on a background with the CIELCh color 83, 102.623, 139.626.

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

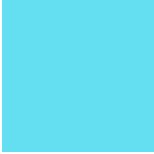
83, 102.667, 139.654

Protanopia

82, 71.996, 95.076

Deuteranopia

82, 63.486, 80.416



Tritanopia
83, 34.853, 213.294

Trichromacy



Original Color

83, 102.667, 139.654



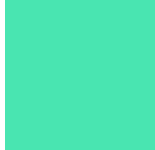
Protanomaly

80, 78.941, 122.141



Deuteranomaly

79, 68.110, 118.117



Tritanomaly

82, 54.340, 165.407

Monochromacy



Original Color

83, 102.667, 139.654



Achromatopsia

64, 0.008, 296.813



Achromatomaly

69, 44.749, 146.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 102.623, 139.626 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(27, 239, 66)` looks like.

```
.text, #text, p{  
    color:rgb(27, 239, 66)  
}
```

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(27, 239, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 239, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 102.623, 139.626 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(27, 239, 66) }
```

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

```
.border{ border-color:rgb(27, 239, 66) }
```

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

Here you see how a box with a 4 pixel rgb(27, 239, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 239, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 239, 66);  
box-shadow:4px 4px 4px 4px rgb(27, 239,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 102.623, 139.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 239, 66) }
```

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

```
.background{ background-color: rgb(27, 239,  
66) }
```

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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