

Converting Colors

CIELCh(79, 102.565, 131.879)

Have a look what the booklet for
CIELCh(79, 102.565, 131.879)
contains.

CIELCh(79, 102.795, 131.948)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(79, 102.795, 131.948)

Conversions

Conversions Part 1

Format	Color
Hex	53E002
RGB	83, 224, 2
RGB Percent	33%, 88%, 1%
CMY	0.6764, 0.1230, 0.9929
CMYK	0.63, 0.00, 0.99, 0.12
HSL	98°, 98%, 44%
HSV	98°, 99%, 88%
XYZ	30.0890, 54.9284, 9.0677
YIQ	156.5330, -12.7740, -98.9340

Conversions

Conversions Part 2

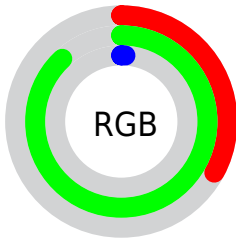
Format	Color
R_{YB}	2, 224, 143
Decimal	5496834
CIE _{Lab}	79.00, -68.71, 76.45
CIE _{LCh}	79, 102.795, 131.948
Yxy	54.9284, 0.3198, 0.5838
Android (android.graphics.Color)	4283686914 (0xFF53E002)
YUV	156.5330, -76.1848, -64.4884
Hunter-Lab	74.1137, -57.2307, 44.6255

Details

The CIELCh color **79, 102.795, 131.948** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **40, 109.609, 315.351**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.469, 130.530**, and **60, 87.244, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 103.076, 132.016**, and if you desaturate by 10%, it is **79, 98.785, 131.093**.

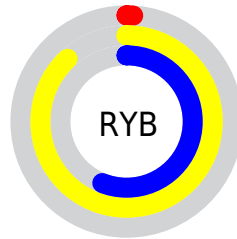
Distribution



Red (33%)

Green (88%)

Blue (1%)



Red (1%)

Yellow (88%)

Blue (56%)

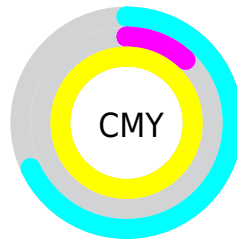


Cyan (63%)

Magenta (0%)

Yellow (99%)

Black (12%)



Cyan (68%)


Magenta (12%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 102.795, 131.948 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 79, 102.795, 131.948 by changing the saturation by 10% instead.


 79, 102.795,
131.948


 79, 102.795,
131.948


 100, 102.795,
131.948

 69, 102.795,
131.948


 99, 102.795,
131.948

 59, 102.795,
131.948

 49, 102.795,
131.948

 39, 102.795,
131.948

 29, 102.795,
131.948

 19, 102.795,
131.948

 9, 102.795,

131.948

■ 0, 102.795,
131.948

■ 79, 102.795,
131.948

■ 79, 102.795,
131.948

■ 79, 103.076,
132.016

■ 79, 98.785,
131.093

■ 80, 92.453,
130.655

■ 81, 83.892,
130.630

■ 82, 73.628,
130.891

■ 82, 62.197,
131.317

■ 84, 50.026,
131.816

■ 85, 37.426,
132.332

■ 86, 24.618,
132.833

■ 88, 11.757,
133.304

Harmonies

Complementary

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



79, 102.795, 131.948



40, 109.609, 315.351

Rectangle

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



79, 102.795, 131.948



79, 102.795, 181.948



79, 102.795, 311.948



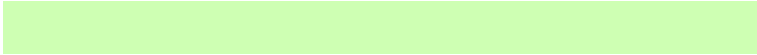
79, 102.795, 1.948

Sweetspot

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



79, 102.794, 131.949



95, 42.779, 132.280



66, 74.500, 72.286



50, 29.141, 132.060



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 102.794, 131.949



89, 113.965, 132.120



78, 105.092, 137.278



46, 7.287, 133.292



63, 85.943, 131.787



17, 32.123, 132.185

Inverse Universe

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



40, 109.609, 315.351



46, 121.420, 315.220



52, 94.085, 334.398



44, 7.360, 314.056



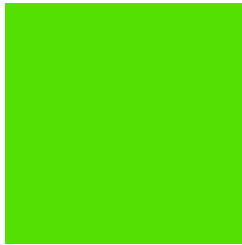
31, 91.762, 315.465



5, 34.431, 315.434

Previews

White Background



This preview shows how the CIE LCh color 79, 102.795, 131.948 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 79, 102.795, 131.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

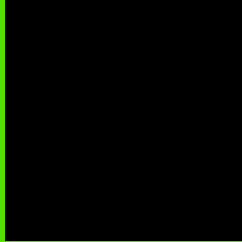
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 102.795, 131.948

Background



This preview shows how black text looks on a background with the CIELCh color 79, 102.795, 131.948.



This preview shows how white text looks on a background with the CIELCh color 79, 102.795, 131.948.

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

79, 102.872, 131.921

Protanopia

78, 79.733, 94.821

Deuteranopia

78, 72.571, 81.997



Tritanopia
79, 27.401, 217.237

Trichromacy



Original Color
79, 102.872, 131.921



Protanomaly
77, 83.833, 113.438



Deuteranomaly
77, 76.077, 107.493



Tritanomaly
78, 52.824, 151.338

Monochromacy



Original Color
79, 102.872, 131.921



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 47.996, 131.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 102.795, 131.948 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(83, 224, 2)` looks like.

```
.text, #text, p{  
    color:rgb(83, 224, 2)  
}
```

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(83, 224, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 224, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 102.795, 131.948 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(83, 224, 2) }
```

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

```
.border{ border-color:rgb(83, 224, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 224, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 224, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 224, 2);  
box-shadow:4px 4px 4px 4px rgb(83, 224, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 79, 102.795, 131.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 224, 2) }
```

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

```
.background{ background-color: rgb(83, 224,  
2) }
```

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