

Converting Colors

CIELCh(83, 114.058, 135.865)

Have a look what the booklet for
CIELCh(83, 114.058, 135.865)
contains.

CIELCh(83, 114.189, 135.879)	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(83, 114.189, 135.879)

Conversions

Conversions Part 1

Format	Color
Hex	09F000
RGB	9, 240, 0
RGB Percent	4%, 94%, 0%
CMY	0.9662, 0.0602, 1.0000
CMYK	0.96, 0.00, 1.00, 0.06
HSL	118°, 100%, 47%
HSV	118°, 100%, 94%
XYZ	31.1563, 62.1629, 10.3221
YIQ	143.5710, -60.6360, -123.6120

Conversions

Conversions Part 2

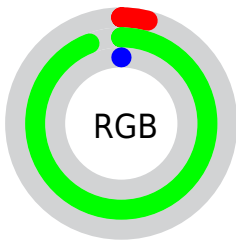
Format	Color
RYB	0, 240, 231
Decimal	651264
CIELab	83.00, -81.97, 79.50
CIELCh	83, 114.189, 135.879
Yxy	62.1629, 0.3006, 0.5998
Android (android.graphics.Color)	4278841344 (0xFF09F000)
YUV	143.5710, -70.7805, -118.0188
Hunter-Lab	78.8435, -67.4389, 47.4282

Details

The CIELCh color **83, 114.189, 135.879** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **55, 110.456, 326.795**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.722, 135.572**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 114.108, 135.908**, and if you desaturate by 10%, it is **83, 111.361, 136.153**.

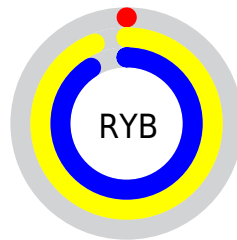
Distribution



Red (4%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (91%)

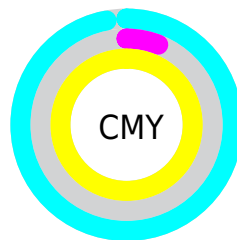


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (97%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 114.189, 135.879 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, 114.189, 135.879 by changing the saturation by 10% instead.


 83, 114.189,
135.879


 83, 114.189,
135.879


 100, 114.189,
135.879


 73, 114.189,
135.879


 63, 114.189,
135.879

 53, 114.189,
135.879

 43, 114.189,
135.879

 33, 114.189,
135.879

 23, 114.189,
135.879

 13, 114.189,

135.879

■ 3, 114.189,
135.879

■ 0, 114.189,
135.879

■ 83, 114.189,
135.879

■ 83, 114.189,
135.879

■ 83, 114.108,
135.908

■ 83, 111.361,
136.153

■ 84, 105.748,
136.703

■ 84, 97.200,
137.553

■ 85, 86.261,
138.563

■ 86, 73.560,
139.603

■ 87, 59.663,
140.588

■ 89, 45.032,
141.477

■ 90, 30.036,
142.256

■ 92, 14.953,
142.933

Harmonies

Complementary

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



83, 114.189, 135.879



55, 110.456, 326.795

Rectangle

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



83, 114.189, 135.879



83, 114.189, 185.879



83, 114.189, 315.879



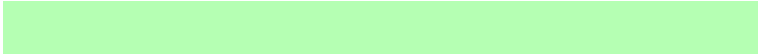
83, 114.189, 5.879

Sweetspot

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



83, 114.108, 135.908



94, 47.356, 141.469



89, 89.094, 99.530



49, 32.247, 141.105



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, 114.108, 135.908



88, 119.614, 135.917



84, 90.059, 146.369



49, 8.495, 142.966



65, 93.394, 135.866



19, 39.369, 137.237

Inverse Universe

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



55, 110.456, 326.795



59, 115.773, 326.790



52, 81.635, 358.013



47, 8.513, 323.960



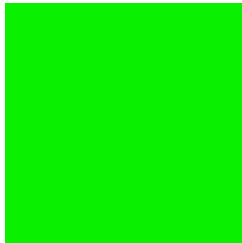
42, 90.454, 326.819



10, 39.476, 327.014

Previews

White Background



This preview shows how the CIELCh color 83, 114.189, 135.879 looks on a white background.

Color Contrast Check

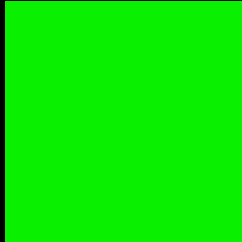
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 114.189, 135.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

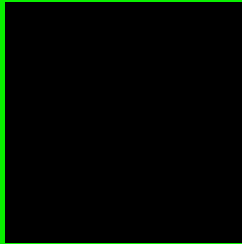
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 114.189, 135.879

Background



This preview shows how black text looks on a background with the CIELCh color 83, 114.189, 135.879.



This preview shows how white text looks on a background with the CIELCh color 83, 114.189, 135.879.

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, 114.228, 135.904

Protanopia

82, 83.066, 94.918

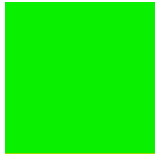
Deuteranopia

82, 68.528, 81.710



Tritanopia
83, 34.677, 213.388

Trichromacy



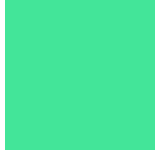
Original Color
83, 114.228, 135.904



Protanomaly
80, 91.232, 120.611

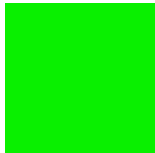


Deuteranomaly
79, 79.494, 117.461

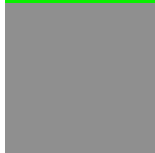


Tritanomaly
82, 63.817, 156.610

Monochromacy



Original Color
83, 114.228, 135.904



Achromatopsia
59, 0.008, 296.813



Achromatomaly
66, 56.689, 139.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 114.189, 135.879 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(9, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 240, 0)  
}
```

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(9, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 240, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 114.189, 135.879 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(9, 240, 0) }
```

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

```
.border{ border-color:rgb(9, 240, 0) }
```

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

Here you see how a box with a 4 pixel rgb(9, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 240, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 240, 0); box-shadow:4px  
4px 4px 4px rgb(9, 240, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 114.189, 135.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 240, 0) }
```

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

```
.background{ background-color: rgb(9, 240,  
0) }
```

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