

Converting Colors

CIELCh(83, 114.175, 135.939)

Have a look what the booklet for
CIELCh(83, 114.175, 135.939)
contains.

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Color

CIELCh(83, 114.287, 135.941)

Conversions

Conversions Part 1

Format	Color
Hex	04F000
RGB	4, 240, 0
RGB Percent	2%, 94%, 0%
CMY	0.9844, 0.0600, 1.0000
CMYK	0.98, 0.00, 1.00, 0.06
HSL	119°, 100%, 47%
HSV	119°, 100%, 94%
XYZ	31.1139, 62.1629, 10.3291
YIQ	142.0760, -63.6160, -124.6720

Conversions

Conversions Part 2

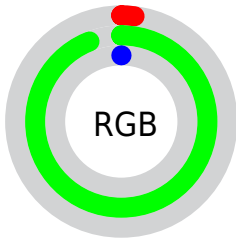
Format	Color
RYB	0, 240, 236
Decimal	323584
CIELab	83.00, -82.13, 79.48
CIELCh	83, 114.287, 135.941
Yxy	62.1629, 0.3003, 0.6000
Android (android.graphics.Color)	4278513664 (0xFF04F000)
YUV	142.0760, -70.0435, -121.0927
Hunter-Lab	78.8435, -67.5349, 47.4230

Details

The CIELCh color **83, 114.287, 135.941** 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 **56, 110.357, 327.567**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.869, 135.698**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 114.218, 135.966**, and if you desaturate by 10%, it is **83, 111.565, 136.274**.

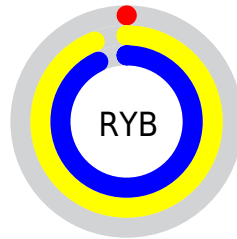
Distribution



Red (2%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (93%)

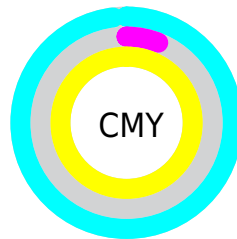


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (98%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 114.287, 135.941 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, 114.287, 135.941 by changing the saturation by 10% instead.


 83, 114.287,
135.941


 83, 114.287,
135.941


 100, 114.287,
135.941


 73, 114.287,
135.941


 63, 114.287,
135.941

 53, 114.287,
135.941

 43, 114.287,
135.941

 33, 114.287,
135.941

 23, 114.287,
135.941

 13, 114.287,

135.941

■ 3, 114.287,
135.941

■ 0, 114.287,
135.941

■ 83, 114.287,
135.941

■ 83, 114.287,
135.941

■ 83, 114.218,
135.966

■ 83, 111.565,
136.274

■ 83, 106.056,
136.901

■ 84, 97.583,
137.824

■ 85, 86.678,
138.897

■ 86, 73.968,
139.990

■ 87, 60.024,
141.017

■ 89, 45.320,
141.938

■ 90, 30.232,
142.742

■ 92, 15.051,
143.438

Harmonies

Complementary

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



83, 114.287, 135.941



56, 110.357, 327.567

Rectangle

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



83, 114.287, 135.941



83, 114.287, 185.941



83, 114.287, 315.941



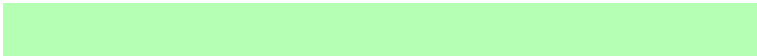
83, 114.287, 5.941

Sweetspot

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



83, 114.218, 135.966



94, 47.650, 141.929



91, 91.317, 101.782



49, 32.443, 141.553



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, 114.218, 135.966



88, 119.703, 135.970



84, 87.166, 147.916



49, 8.549, 143.472



65, 93.498, 135.947



19, 39.536, 137.541

Inverse Universe

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



56, 110.357, 327.567



60, 115.651, 327.565



52, 80.991, 1.173



47, 8.564, 324.492



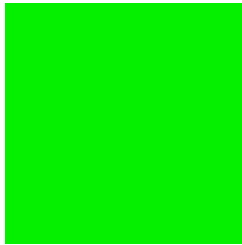
43, 90.361, 327.578



10, 39.442, 327.669

Previews

White Background



This preview shows how the CIELCh color 83, 114.287, 135.941 looks on a white background.

Color Contrast Check

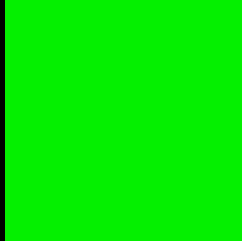
Large Text (above 18pt) WCAG AA × Fail

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, 114.287, 135.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

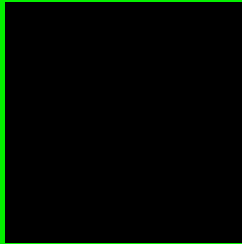
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

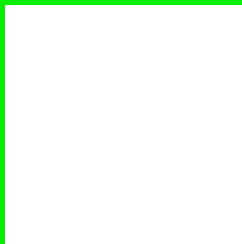
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 114.287, 135.941

Background



This preview shows how black text looks on a background with the CIELCh color 83, 114.287, 135.941.



This preview shows how white text looks on a background with the CIELCh color 83, 114.287, 135.941.

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, 114.327, 135.966

Protanopia

82, 83.066, 94.918

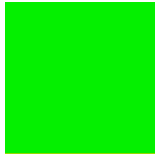
Deuteranopia

82, 68.154, 81.626



Tritanopia
83, 34.677, 213.388

Trichromacy



Original Color

83, 114.327, 135.966



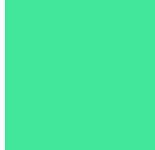
Protanomaly

80, 91.497, 121.046



Deuteranomaly

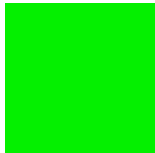
79, 79.604, 117.737



Tritanomaly

82, 63.938, 156.685

Monochromacy



Original Color

83, 114.327, 135.966



Achromatopsia

59, 0.008, 296.813



Achromatomaly

66, 57.479, 140.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 114.287, 135.941 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(4, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 240, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 83, 114.287, 135.941 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(4, 240, 0) }
```

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

```
.border{ border-color:rgb(4, 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(4, 240, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 83, 114.287, 135.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 240, 0) }
```

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

```
.background{ background-color: rgb(4, 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](#).

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