

Converting Colors

CIELCh(83, 89.167, 146.290)

Have a look what the booklet for
CIELCh(83, 89.167, 146.290)
contains.

CIELCh(83, 89.370, 146.216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(83, 89.370, 146.216)

Conversions

Conversions Part 1

Format	Color
Hex	0AEE6B
RGB	10, 238, 107
RGB Percent	4%, 93%, 42%
CMY	0.9613, 0.0674, 0.5810
CMYK	0.96, 0.00, 0.55, 0.07
HSL	146°, 92%, 49%
HSV	146°, 96%, 93%
XYZ	33.2892, 62.1629, 24.1082
YIQ	154.8940, -93.8370, -89.0770

Conversions

Conversions Part 2

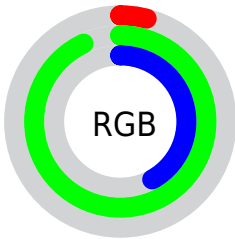
Format	Color
RYB	10, 170, 238
Decimal	716395
CIELab	83.00, -74.28, 49.70
CIELCh	83, 89.370, 146.216
Yxy	62.1629, 0.2784, 0.5199
Android (android.graphics.Color)	4278906475 (0xFF0AEE6B)
YUV	154.8940, -23.6117, -127.0720
Hunter-Lab	78.8435, -62.6101, 37.0612

Details

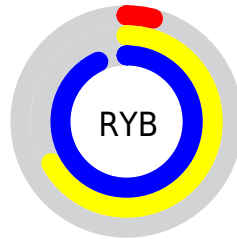
The CIELCh color **83, 89.370, 146.216** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **52, 81.660, 354.335**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 67.505, 150.153**, and **64, 81.575, 141.185** is the 20% darker color. If you saturate the color by 10%, you get **83, 91.611, 145.312**, and if you desaturate by 10%, it is **83, 83.439, 148.409**.

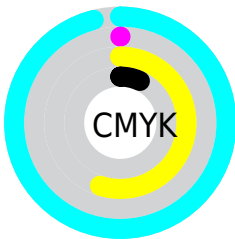
Distribution



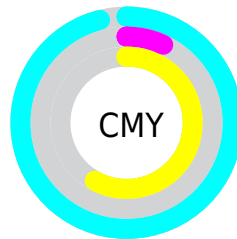
- Red (4%)
- Green (93%)
- Blue (42%)



- Red (4%)
- Yellow (67%)
- Blue (93%)



- Cyan (96%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)





- Cyan (96%)
- Magenta (7%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 89.370, 146.216 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, 89.370, 146.216 by changing the saturation by 10% instead.


 83, 89.370,
146.216


 83, 89.370,
146.216


 100, 89.370,
146.216


 73, 89.370,
146.216

 63, 89.370,
146.216

 53, 89.370,
146.216

 43, 89.370,
146.216

 33, 89.370,
146.216

 23, 89.370,
146.216

 13, 89.370,

146.216

■ 3, 89.370, 146.216

■ 0, 89.370, 146.216

■ 83, 89.370,
146.216

■ 83, 89.370,
146.216

■ 83, 91.611,
145.312

■ 83, 83.439,
148.409

■ 84, 76.469,
150.434

■ 84, 68.459,
152.254

■ 85, 59.496,
153.864

■ 86, 49.733,

155.276

■ 88, 39.358,
156.514

■ 89, 28.569,
157.600

■ 91, 17.549,
158.564

■ 93, 6.458, 159.453

Harmonies

Complementary

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



83, 89.370, 146.216



52, 81.660, 354.335

Rectangle

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



83, 89.370, 146.216



83, 89.370, 196.216



83, 89.370, 326.216



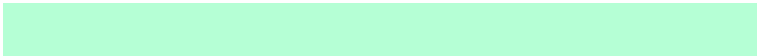
83, 89.370, 16.216

Sweetspot

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



83, 89.370, 146.216



94, 33.863, 157.261



85, 99.594, 124.783



50, 23.168, 156.794



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, 89.370, 146.216



88, 96.770, 145.221



85, 50.919, 184.694



49, 6.325, 159.131



65, 74.814, 145.708



20, 30.204, 149.418

Inverse Universe

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



52, 81.660, 354.335



55, 86.218, 355.871



50, 93.159, 35.823



47, 6.384, 340.539



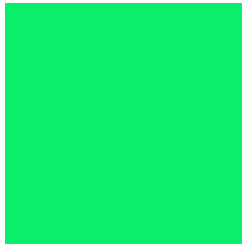
40, 67.579, 355.101



9, 30.298, 350.045

Previews

White Background



This preview shows how the CIE LCh color 83, 89.370, 146.216 looks on a white background.

Color Contrast Check

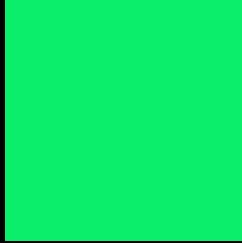
Large Text (above 18pt) WCAG AA × Fail

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, 89.370, 146.216 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, 89.370, 146.216

Background



This preview shows how black text looks on a background with the CIELCh color 83, 89.370, 146.216.

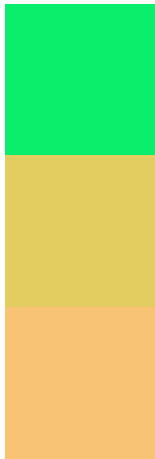


This preview shows how white text looks on a background with the CIELCh color 83, 89.370, 146.216.

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, 89.392, 146.229

Protanopia
82, 56.276, 95.559

Deuteranopia
82, 46.947, 77.135



Tritanopia
83, 36.227, 212.584

Trichromacy



Original Color
83, 89.392, 146.229



Protanomaly
80, 65.201, 129.651



Deuteranomaly
79, 53.632, 127.110



Tritanomaly
82, 50.480, 173.760

Monochromacy



Original Color
83, 89.392, 146.229



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 39.901, 155.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 89.370, 146.216 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(10, 238, 107)` looks like.

```
.text, #text, p{  
    color:rgb(10, 238, 107)  
}
```

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(10, 238, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 238, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 89.370, 146.216 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(10, 238, 107) }
```

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

```
.border{ border-color:rgb(10, 238, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 238, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 238, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 238, 107);  
box-shadow:4px 4px 4px 4px rgb(10, 238,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 89.370, 146.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 238, 107) }
```

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

```
.background{ background-color: rgb(10, 238,  
107) }
```

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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