

Converting Colors

CIELCh(87, 92.991, 146.118)

Have a look what the booklet for
CIELCh(87, 92.991, 146.118)
contains.

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Color

CIELCh(87, 93.060, 146.134)

Conversions

Conversions Part 1

Format	Color
Hex	0DFB71
RGB	13, 251, 113
RGB Percent	5%, 98%, 44%
CMY	0.9498, 0.0173, 0.5583
CMYK	0.95, 0.00, 0.55, 0.02
HSL	145°, 96%, 52%
HSV	145°, 95%, 98%
XYZ	37.4920, 70.0064, 27.0501
YIQ	164.1060, -97.5500, -93.3740

Conversions

Conversions Part 2

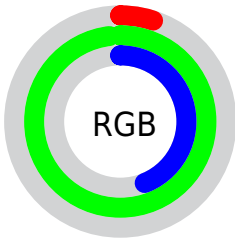
Format	Color
RYB	13, 181, 251
Decimal	916337
CIELab	87.00, -77.27, 51.86
CIELCh	87, 93.060, 146.134
Yxy	70.0064, 0.2787, 0.5203
Android (android.graphics.Color)	4279106417 (0xFF0DFB71)
YUV	164.1060, -25.1953, -132.5200
Hunter-Lab	83.6698, -66.4372, 39.4007

Details

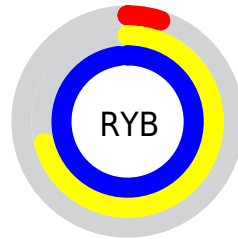
The CIELCh color **87, 93.060, 146.134** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **55, 85.124, 353.631**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.128, 151.663**, and **68, 85.780, 141.255** is the 20% darker color. If you saturate the color by 10%, you get **87, 95.941, 145.011**, and if you desaturate by 10%, it is **87, 86.763, 148.317**.

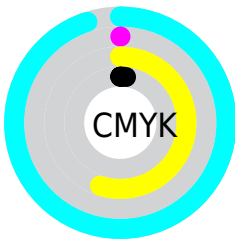
Distribution



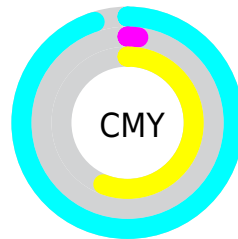
- Red (5%)
- Green (98%)
- Blue (44%)



- Red (5%)
- Yellow (71%)
- Blue (98%)



- Cyan (95%)
- Magenta (0%)
- Yellow (55%)
- Black (2%)





- Cyan (95%)
- Magenta (2%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 93.060, 146.134 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 87, 93.060, 146.134 by changing the saturation by 10% instead.


 87, 93.060,
146.134


 87, 93.060,
146.134


 100, 93.060,
146.134


 77, 93.060,
146.134

 67, 93.060,
146.134

 57, 93.060,
146.134

 47, 93.060,
146.134

 37, 93.060,
146.134

 27, 93.060,
146.134

 17, 93.060,

146.134

■ 7, 93.060, 146.134

■ 0, 93.060, 146.134

■ 87, 93.060,
146.134

■ 87, 93.060,
146.134

■ 87, 95.941,
145.011

■ 87, 86.763,
148.317


■ 88, 79.367,
150.330

■ 89, 70.879,
152.136


■ 89, 61.401,
153.732

■ 91, 51.099,

155.131

 92, 40.175,
156.356

 94, 28.835,
157.431

 95, 17.272,
158.384

 97, 5.652, 159.273

Harmonies

Complementary

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



87, 93.060, 146.134



55, 85.124, 353.631

Rectangle

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



87, 93.060, 146.134



87, 93.060, 196.134



87, 93.060, 326.134



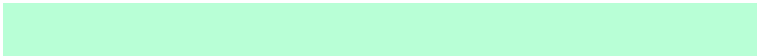
87, 93.060, 16.134

Sweetspot

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



87, 93.060, 146.134



95, 32.856, 157.108



90, 103.387, 124.699



50, 22.622, 156.642



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 93.060, 146.134



88, 97.263, 144.989



89, 52.901, 184.765



51, 6.572, 158.862



67, 76.822, 145.427



22, 32.388, 148.753

Inverse Universe

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



55, 85.124, 353.631



55, 86.396, 355.363



53, 96.447, 35.541



49, 6.632, 340.270



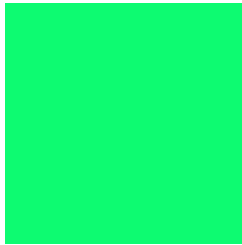
41, 69.097, 354.679



10, 32.027, 350.154

Previews

White Background



This preview shows how the CIE LCh color 87, 93.060, 146.134 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 87, 93.060, 146.134 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 87, 93.060, 146.134

Background



This preview shows how black text looks on a background with the CIELCh color 87, 93.060, 146.134.

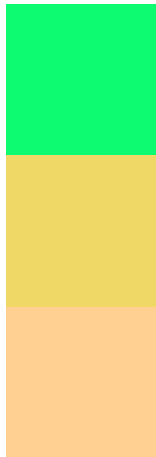


This preview shows how white text looks on a background with the CIELCh color 87, 93.060, 146.134.

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](#).

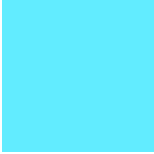
Dichromacy



Original Color
87, 93.109, 146.163

Protanopia
86, 58.751, 95.617

Deuteranopia
86, 37.991, 76.771



Tritanopia
87, 37.746, 212.632

Trichromacy



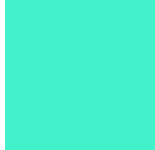
Original Color
87, 93.109, 146.163



Protanomaly
84, 68.181, 129.341



Deuteranomaly
83, 50.705, 131.560



Tritanomaly
86, 52.507, 173.640

Monochromacy



Original Color
87, 93.109, 146.163



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 41.076, 155.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 93.060, 146.134 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(13, 251, 113)` looks like.

```
.text, #text, p{  
    color:rgb(13, 251, 113)  
}
```

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(13, 251, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 251, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 93.060, 146.134 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(13, 251, 113) }
```

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

```
.border{ border-color:rgb(13, 251, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 251, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 251, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 251, 113);  
box-shadow:4px 4px 4px 4px rgb(13, 251,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 93.060, 146.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 251, 113) }
```

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

```
.background{ background-color: rgb(13, 251,  
113) }
```

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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