

Converting Colors

CIELCh(88, 91.291, 146.688)

Have a look what the booklet for
CIELCh(88, 91.291, 146.688)
contains.

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Color

CIELCh(88, 91.191, 146.685)

Conversions

Conversions Part 1

Format	Color
Hex	21FD77
RGB	33, 253, 119
RGB Percent	13%, 99%, 47%
CMY	0.8718, 0.0068, 0.5324
CMYK	0.87, 0.00, 0.53, 0.01
HSL	144°, 98%, 56%
HSV	144°, 87%, 99%
XYZ	39.1657, 72.0653, 29.3700
YIQ	171.9440, -88.1060, -88.3140

Conversions

Conversions Part 2

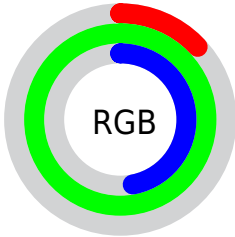
Format	Color
RYB	33, 191, 253
Decimal	2227575
CIELab	88.00, -76.20, 50.09
CIELCh	88, 91.191, 146.685
Yxy	72.0653, 0.2786, 0.5126
Android (android.graphics.Color)	4280417655 (0xFF21FD77)
YUV	171.9440, -26.1014, -121.8539
Hunter-Lab	84.8913, -66.2065, 38.9112

Details

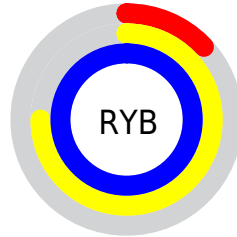
The CIELCh color **88, 91.191, 146.685** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **57, 85.857, 349.249**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 60.759, 152.711**, and **69, 84.399, 142.301** is the 20% darker color. If you saturate the color by 10%, you get **88, 97.452, 144.513**, and if you desaturate by 10%, it is **88, 83.785, 148.717**.

Distribution



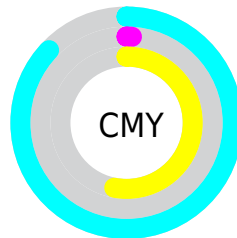
- Red (13%)
- Green (99%)
- Blue (47%)



- Red (13%)
- Yellow (75%)
- Blue (99%)



- Cyan (87%)
- Magenta (0%)
- Yellow (53%)
- Black (1%)





- Cyan (87%)
- Magenta (1%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 91.191, 146.685 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 88, 91.191, 146.685 by changing the saturation by 10% instead.


 88, 91.191,
146.685


 88, 91.191,
146.685


 100, 91.191,
146.685


 78, 91.191,
146.685

 68, 91.191,
146.685

 58, 91.191,
146.685

 48, 91.191,
146.685

 38, 91.191,
146.685


 28, 91.191,
146.685


 18, 91.191,


146.685


 8, 91.191, 146.685


 0, 91.191, 146.685


 88, 91.191,
146.685


 88, 91.191,
146.685


 88, 97.452,
144.513

 88, 83.785,
148.717

 88, 99.121,
143.897

 89, 75.227,
150.555

 90, 65.616,
152.186

 91, 55.119,
153.616

 92, 43.944,

154.864

■ 94, 32.309,
155.957

■ 96, 20.417,
156.918

■ 98, 8.446, 157.789

■ 100, 1.091,
324.196

Harmonies

Complementary

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



88, 91.191, 146.685



57, 85.857, 349.249

Rectangle

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



88, 91.191, 146.685



88, 91.191, 196.685



88, 91.191, 326.685



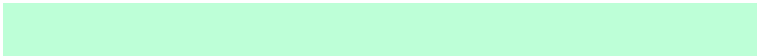
88, 91.191, 16.685

Sweetspot

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



88, 91.191, 146.685



95, 31.196, 156.066



91, 99.766, 122.576



50, 21.115, 155.709



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 91.191, 146.685



88, 99.657, 143.888



90, 53.938, 181.603



52, 6.819, 157.582



68, 79.546, 144.295



23, 34.208, 147.412

Inverse Universe

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



57, 85.857, 349.249



56, 87.388, 352.905



54, 89.220, 29.943



50, 6.874, 338.958



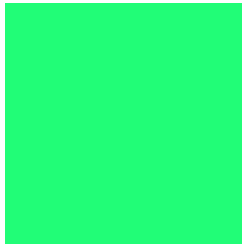
42, 70.603, 352.319



11, 33.274, 348.414

Previews

White Background



This preview shows how the CIELCh color 88, 91.191, 146.685 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 88, 91.191, 146.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

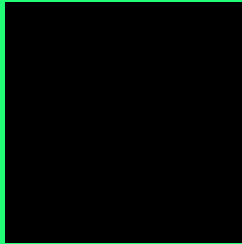
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 91.191, 146.685

Background



This preview shows how black text looks on a background with the CIELCh color 88, 91.191, 146.685.

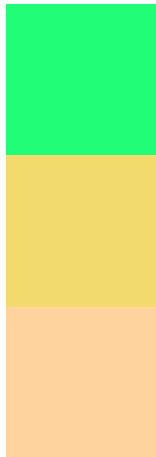


This preview shows how white text looks on a background with the CIELCh color 88, 91.191, 146.685.

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

88, 91.142, 146.656

Protanopia

87, 56.876, 95.577

Deuteranopia

87, 33.575, 75.664



Tritanopia
88, 34.780, 213.219

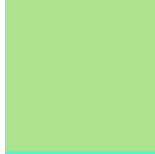
Trichromacy



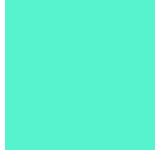
Original Color
88, 91.142, 146.656



Protanomaly
85, 64.943, 128.297



Deuteranomaly
85, 47.225, 131.635



Tritanomaly
87, 49.952, 173.324

Monochromacy



Original Color
88, 91.142, 146.656



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 39.360, 154.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 91.191, 146.685 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(33, 253, 119)` looks like.

```
.text, #text, p{  
    color:rgb(33, 253, 119)  
}
```

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(33, 253, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 253, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 91.191, 146.685 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(33, 253, 119) }
```

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

```
.border{ border-color:rgb(33, 253, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 253, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 253, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 253, 119);  
box-shadow:4px 4px 4px 4px rgb(33, 253,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 91.191, 146.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 253, 119) }
```

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

```
.background{ background-color: rgb(33, 253,  
119) }
```

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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