

Converting Colors

CIELCh(91, 66.893, 146.571)

Have a look what the booklet for
CIELCh(91, 66.893, 146.571)
contains.

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Color

CIELCh(91, 66.839, 146.685)

Conversions

Conversions Part 1

Format	Color
Hex	80FF9C
RGB	128, 255, 156
RGB Percent	50%, 100%, 61%
CMY	0.4982, 0.0001, 0.3883
CMYK	0.50, 0.00, 0.39, 0.00
HSL	133°, 100%, 75%
HSV	133°, 50%, 100%
XYZ	50.6437, 78.4833, 43.9184
YIQ	205.7410, -43.9130, -57.7130

Conversions

Conversions Part 2

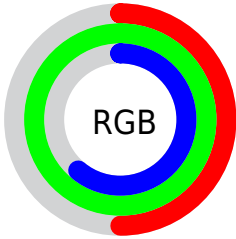
Format	Color
RYB	128, 232, 255
Decimal	8454044
CIELab	91.00, -55.85, 36.71
CIELCh	91, 66.839, 146.685
Yxy	78.4833, 0.2927, 0.4535
Android (android.graphics.Color)	4286644124 (0xFF80FF9C)
YUV	205.7410, -24.5223, -68.1789
Hunter-Lab	88.5908, -52.9929, 32.6209

Details

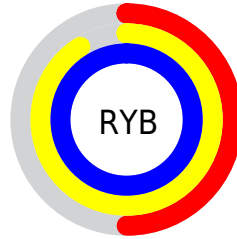
The CIELCh color **91, 66.839, 146.685** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **71, 66.772, 334.721**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 32.979, 154.295**, and **71, 66.816, 146.546** is the 20% darker color. If you saturate the color by 10%, you get **90, 78.752, 145.308**, and if you desaturate by 10%, it is **92, 54.067, 147.891**.

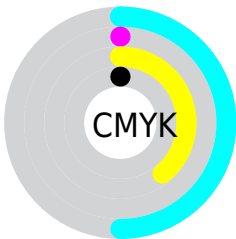
Distribution



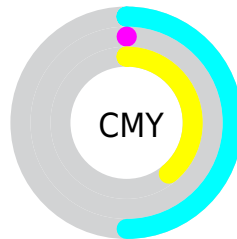
- Red (50%)
- Green (100%)
- Blue (61%)



- Red (50%)
- Yellow (91%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 66.839, 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 91, 66.839, 146.685 by changing the saturation by 10% instead.


 91, 66.839,
146.685


 91, 66.839,
146.685


 100, 66.839,
146.685


 81, 66.839,
146.685

 71, 66.839,
146.685

 61, 66.839,
146.685

 51, 66.839,
146.685

 41, 66.839,
146.685

 31, 66.839,
146.685

 21, 66.839,

146.685

■ 11, 66.839,
146.685

■ 1, 66.839, 146.685

■ 91, 66.839,
146.685

■ 91, 66.839,
146.685

■ 90, 78.752,
145.308

■ 92, 54.067,
147.891

■ 89, 89.501,
143.765

■ 94, 40.726,
148.936

■ 88, 98.805,
142.089

■ 96, 27.083,
149.839

■ 88, 106.428,
140.351

■ 98, 13.361,
150.627

■ 88, 112.258,
138.700

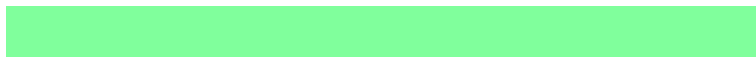
100, 0.030,
313.919

■ 88, 112.353,
138.672

Harmonies

Complementary

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



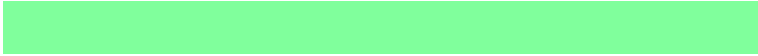
91, 66.839, 146.685



71, 66.772, 334.721

Rectangle

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



91, 66.839, 146.685



91, 66.839, 196.685



91, 66.839, 326.685



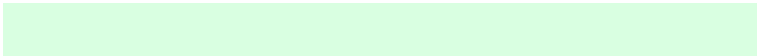
91, 66.839, 16.685

Sweetspot

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



91, 66.840, 146.685



97, 20.481, 150.230



96, 63.253, 115.388



51, 13.983, 150.062



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 66.840, 146.685



90, 78.974, 145.280



92, 44.224, 171.708



52, 7.742, 150.650



68, 89.856, 138.975



23, 38.944, 141.535

Inverse Universe

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



71, 66.772, 334.721



67, 78.032, 335.539



69, 51.957, 3.992



50, 7.769, 331.834



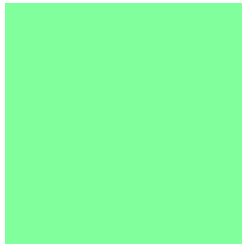
43, 78.486, 339.465



11, 36.821, 337.821

Previews

White Background



This preview shows how the CIE LCh color 91, 66.839, 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 91, 66.839, 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 91, 66.839, 146.685

Background



This preview shows how black text looks on a background with the CIELCh color 91, 66.839, 146.685.

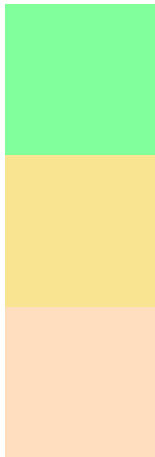


This preview shows how white text looks on a background with the CIELCh color 91, 66.839, 146.685.

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
91, 66.839, 146.685

Protanopia
91, 43.144, 95.818

Deuteranopia
90, 20.577, 70.618



Tritanopia
91, 22.373, 220.123

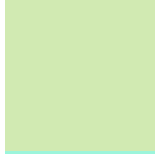
Trichromacy



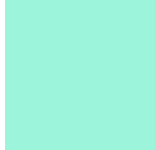
Original Color
91, 66.839, 146.685



Protanomaly
90, 47.036, 122.899



Deuteranomaly
90, 30.331, 126.023

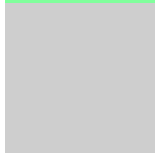


Tritanomaly
91, 32.625, 172.795

Monochromacy



Original Color
91, 66.839, 146.685



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 25.335, 149.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 66.839, 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(128, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 156)  
}
```

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(128, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 66.839, 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(128, 255, 156) }
```

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

```
.border{ border-color:rgb(128, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 66.839, 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(128, 255, 156) }
```

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

```
.background{ background-color: rgb(128,  
255, 156) }
```

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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