

Converting Colors

CIELCh(91, 67.252, 146.975)

Have a look what the booklet for
CIELCh(91, 67.252, 146.975)
contains.

CIELCh(91, 67.197, 146.991)	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(91, 67.197, 146.991)

Conversions

Conversions Part 1

Format	Color
Hex	7EFF9C
RGB	126, 255, 156
RGB Percent	49%, 100%, 61%
CMY	0.5052, 0.0000, 0.3876
CMYK	0.51, 0.00, 0.39, 0.00
HSL	134°, 100%, 75%
HSV	134°, 51%, 100%
XYZ	50.4582, 78.4833, 44.0110
YIQ	205.1430, -45.1050, -58.1370

Conversions

Conversions Part 2

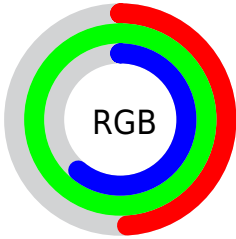
Format	Color
RYB	126, 231, 255
Decimal	8322972
CIELab	91.00, -56.35, 36.61
CIElCh	91, 67.197, 146.991
Yxy	78.4833, 0.2917, 0.4538
Android (android.graphics.Color)	4286513052 (0xFF7EFF9C)
YUV	205.1430, -24.2275, -69.4084
Hunter-Lab	88.5908, -53.3666, 32.5589

Details

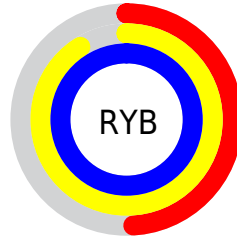
The CIELCh color **91, 67.197, 146.991** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **71, 67.068, 335.289**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 33.458, 155.003**, and **71, 67.218, 146.877** is the 20% darker color. If you saturate the color by 10%, you get **90, 78.842, 145.608**, and if you desaturate by 10%, it is **92, 54.496, 148.231**.

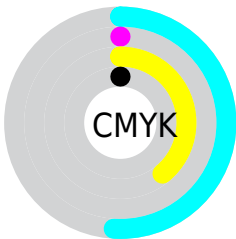
Distribution



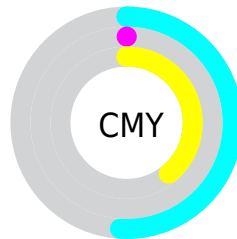
- Red (49%)
- Green (100%)
- Blue (61%)



- Red (49%)
- Yellow (91%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 67.197, 146.991 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, 67.197, 146.991 by changing the saturation by 10% instead.


 91, 67.197,
146.991


 91, 67.197,
146.991


 100, 67.197,
146.991


 81, 67.197,
146.991


 71, 67.197,
146.991

 61, 67.197,
146.991

 51, 67.197,
146.991

 41, 67.197,
146.991

 31, 67.197,
146.991

 21, 67.197,

146.991

■ 11, 67.197,
146.991

■ 1, 67.197, 146.991

■ 91, 67.197,
146.991

■ 91, 67.197,
146.991

■ 90, 78.842,
145.608

■ 92, 54.496,
148.231

■ 89, 89.422,
144.039


■ 94, 41.309,
149.293

■ 88, 98.576,
142.332

■ 96, 27.805,
150.211

■ 88, 106.091,
140.557

■ 98, 14.205,
151.012

 88, 111.628,
138.950

100, 0.688,
152.222

100, 0.012,
296.813

Harmonies

Complementary

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



91, 67.197, 146.991



71, 67.068, 335.289

Rectangle

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



91, 67.197, 146.991



91, 67.197, 196.991



91, 67.197, 326.991



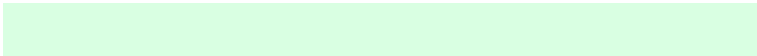
91, 67.197, 16.991

Sweetspot

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



91, 67.103, 147.007



97, 20.298, 150.665



96, 64.080, 115.350



51, 13.858, 150.496



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, 67.103, 147.007



90, 79.379, 145.536



92, 44.754, 171.612



52, 7.673, 151.089



68, 89.248, 139.263



23, 38.637, 141.881

Inverse Universe

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



71, 67.068, 335.289



66, 78.397, 336.166



69, 52.696, 4.145



50, 7.701, 332.284



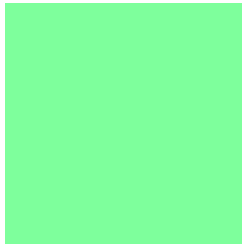
43, 77.795, 340.254



11, 36.527, 338.478

Previews

White Background



This preview shows how the CIE LCh color 91, 67.197, 146.991 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, 67.197, 146.991 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, 67.197, 146.991

Background



This preview shows how black text looks on a background with the CIELCh color 91, 67.197, 146.991.

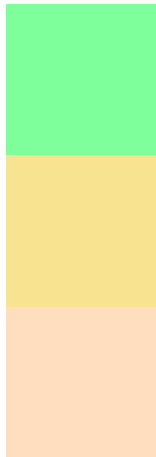


This preview shows how white text looks on a background with the CIELCh color 91, 67.197, 146.991.

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, 67.197, 146.991

Protanopia
90, 42.775, 95.189

Deuteranopia
90, 20.577, 70.618

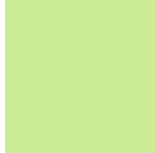


Tritanopia
91, 22.631, 219.846

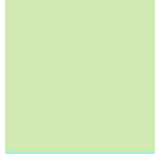
Trichromacy



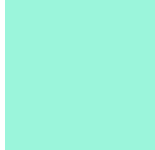
Original Color
91, 67.197, 146.991



Protanomaly
90, 46.484, 122.639



Deuteranomaly
90, 30.457, 126.677

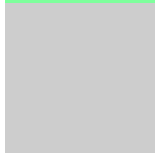


Tritanomaly
90, 32.882, 172.977

Monochromacy



Original Color
91, 67.197, 146.991



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 25.592, 150.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 67.197, 146.991 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(126, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 67.197, 146.991 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(126, 255, 156) }
```

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

```
.border{ border-color:rgb(126, 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(126, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 67.197, 146.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 156) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor