

Converting Colors

CIELCh(91, 77.636, 139.296)

Have a look what the booklet for
CIELCh(91, 77.636, 139.296)
contains.

CIELCh(91, 77.374, 139.344)	3
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Color

CIELCh(91, 77.374, 139.344)

Conversions

Conversions Part 1

Format	Color
Hex	86FF80
RGB	134, 255, 128
RGB Percent	53%, 100%, 50%
CMY	0.4761, 0.0000, 0.4998
CMYK	0.48, 0.00, 0.50, 0.00
HSL	117°, 100%, 75%
HSV	117°, 50%, 100%
XYZ	49.5853, 78.4833, 32.8011
YIQ	204.3430, -31.3490, -65.1490

Conversions

Conversions Part 2

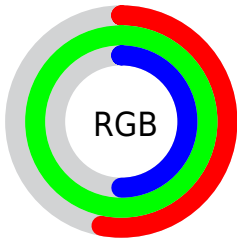
Format	Color
RYB	128, 255, 249
Decimal	8847232
CIELab	91.00, -58.70, 50.41
CIELCh	91, 77.374, 139.344
Yxy	78.4833, 0.3082, 0.4879
Android (android.graphics.Color)	4287037312 (0xFF86FF80)
YUV	204.3430, -37.6371, -61.6908
Hunter-Lab	88.5908, -55.1254, 40.0612

Details

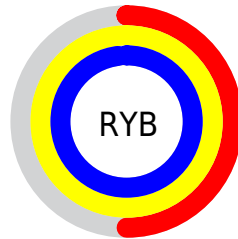
The CIELCh color **91, 77.374, 139.344** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **71, 76.986, 325.626**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 43.147, 138.995**, and **71, 76.726, 139.421** is the 20% darker color. If you saturate the color by 10%, you get **90, 90.384, 138.339**, and if you desaturate by 10%, it is **92, 62.486, 140.318**.

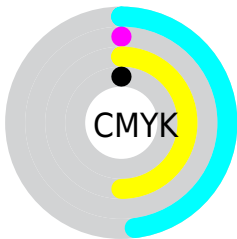
Distribution



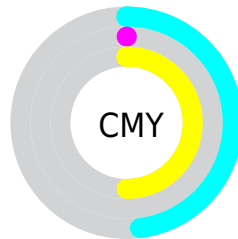
- Red (53%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 77.374, 139.344 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, 77.374, 139.344 by changing the saturation by 10% instead.

 91, 77.374,
139.344


 91, 77.374,
139.344

 100, 77.374,
139.344

 81, 77.374,
139.344

 71, 77.374,
139.344

 61, 77.374,
139.344


 51, 77.374,
139.344

 41, 77.374,
139.344

 31, 77.374,
139.344

 21, 77.374,


139.344


 11, 77.374,
139.344


 1, 77.374, 139.344


 91, 77.374,
139.344


 91, 77.374,
139.344


 90, 90.384,
138.339


 92, 62.486,
140.318


 89, 101.864,
137.365

 94, 47.151,
141.191

 88, 110.832,
136.560

 96, 31.438,
141.959

 88, 116.713,
136.065

 98, 15.636,
142.627

■ 88, 119.555,
135.884

100, 0.012,
296.813

■ 88, 119.559,
135.883

Harmonies

Complementary

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



91, 77.374, 139.344



71, 76.986, 325.626

Rectangle

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



91, 77.374, 139.344



91, 77.374, 189.344



91, 77.374, 319.344



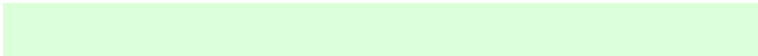
91, 77.374, 9.344

Sweetspot

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



91, 77.059, 139.352



97, 23.564, 142.303



96, 59.794, 103.032



51, 16.089, 142.160



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

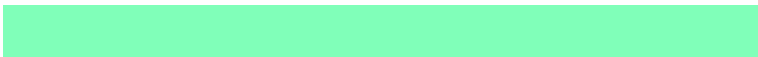
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 77.059, 139.352



90, 90.408, 138.337



91, 55.797, 155.835



52, 8.904, 142.657



68, 96.224, 135.828



23, 43.435, 136.121

Inverse Universe

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



71, 76.986, 325.626



67, 89.899, 325.986



70, 57.984, 346.100



50, 8.925, 323.643



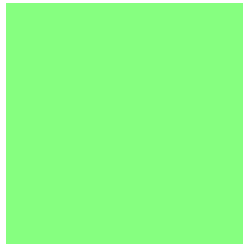
44, 93.313, 326.364



12, 42.913, 326.587

Previews

White Background



This preview shows how the CIE LCh color 91, 77.374, 139.344 looks on a white background.

Color Contrast Check

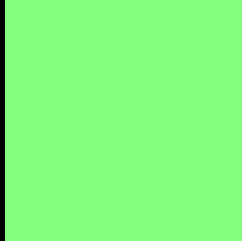
Large Text (above 18pt) WCAG AA × Fail

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, 77.374, 139.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

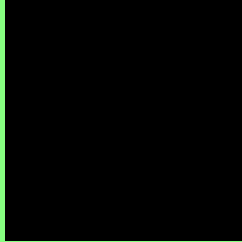
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

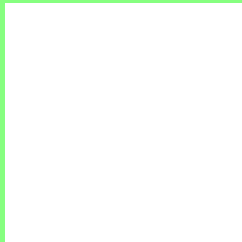
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 77.374, 139.344

Background



This preview shows how black text looks on a background with the CIELCh color 91, 77.374, 139.344.

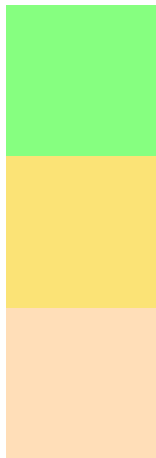


This preview shows how white text looks on a background with the CIELCh color 91, 77.374, 139.344.

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, 76.816, 139.375

Protanopia
90, 55.814, 95.286

Deuteranopia
90, 23.605, 75.528

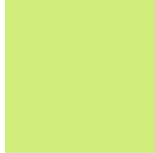


Tritanopia
90, 22.002, 222.045

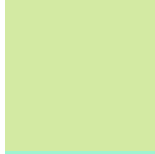
Trichromacy



Original Color
91, 76.816, 139.375



Protanomaly
90, 58.989, 116.898

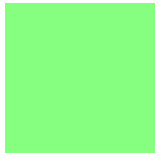


Deuteranomaly
90, 37.385, 120.990

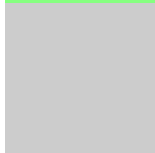


Tritanomaly
90, 34.297, 165.189

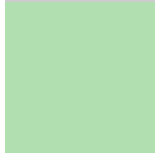
Monochromacy



Original Color
91, 76.816, 139.375



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 29.797, 142.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 77.374, 139.344 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(134, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 128)  
}
```

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(134, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 77.374, 139.344 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(134, 255, 128) }
```

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

```
.border{ border-color:rgb(134, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 77.374, 139.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 128) }
```

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

```
.background{ background-color: rgb(134,  
255, 128) }
```

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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