

Converting Colors

CIELCh(90, 84.190, 142.523)

Have a look what the booklet for
CIELCh(90, 84.190, 142.523)
contains.

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Color

CIELCh(90, 83.655, 142.610)

Conversions

Conversions Part 1

Format	Color
Hex	68FF7C
RGB	104, 255, 124
RGB Percent	41%, 100%, 49%
CMY	0.5933, 0.0000, 0.5153
CMYK	0.59, 0.00, 0.52, 0.00
HSL	128°, 100%, 70%
HSV	128°, 59%, 100%
XYZ	45.2544, 76.3034, 31.2751
YIQ	194.9170, -47.9450, -72.7530

Conversions

Conversions Part 2

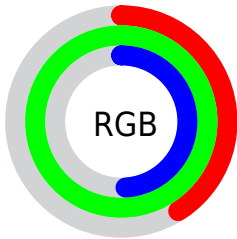
Format	Color
RYB	104, 237, 255
Decimal	6881148
CIELab	90.00, -66.47, 50.80
CIElCh	90, 83.655, 142.610
Yxy	76.3034, 0.2961, 0.4993
Android (android.graphics.Color)	4285071228 (0xFF68FF7C)
YUV	194.9170, -34.9621, -79.7342
Hunter-Lab	87.3518, -60.3900, 39.9183

Details

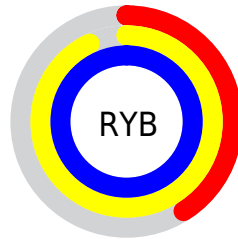
The CIELCh color **90, 83.655, 142.610** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 82.093, 331.869**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 50.037, 145.732**, and **70, 83.134, 142.709** is the 20% darker color. If you saturate the color by 10%, you get **89, 94.616, 141.230**, and if you desaturate by 10%, it is **91, 70.669, 143.934**.

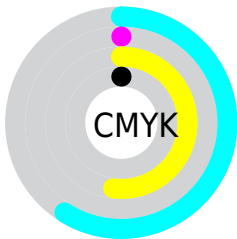
Distribution



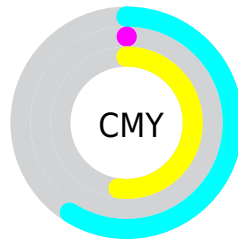
- Red (41%)
- Green (100%)
- Blue (49%)



- Red (41%)
- Yellow (93%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 83.655, 142.610 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 90, 83.655, 142.610 by changing the saturation by 10% instead.


 90, 83.655,
142.610


 90, 83.655,
142.610


 100, 83.655,
142.610


 80, 83.655,
142.610

 70, 83.655,
142.610

 60, 83.655,
142.610


 50, 83.655,
142.610

 40, 83.655,
142.610


 30, 83.655,
142.610


 20, 83.655,


142.610


 10, 83.655,
142.610


 0, 83.655, 142.610


 90, 83.655,
142.610


 90, 83.655,
142.610


 89, 94.616,
141.230


 91, 70.669,
143.934


 88, 104.128,
139.763

 92, 57.028,
145.081

 88, 111.484,
138.347

 94, 42.765,
146.078

 88, 116.447,
137.149

 96, 28.185,
146.938

■ 88, 116.706,
137.087

■ 98, 13.539,
147.683

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.



90, 83.655, 142.610



67, 82.093, 331.869

Rectangle

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



90, 83.655, 142.610



90, 83.655, 192.610



90, 83.655, 322.610



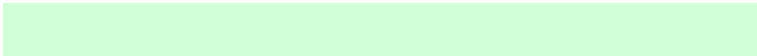
90, 83.655, 12.610

Sweetspot

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



90, 83.329, 142.642



96, 26.242, 147.043



96, 72.940, 110.283



51, 18.247, 146.810



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 83.329, 142.642



89, 96.343, 140.986



91, 55.829, 163.506



52, 8.255, 147.671



68, 93.523, 137.298



23, 40.968, 139.384

Inverse Universe

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



67, 82.093, 331.869



63, 93.155, 332.573



65, 62.715, 358.763



50, 8.274, 328.784



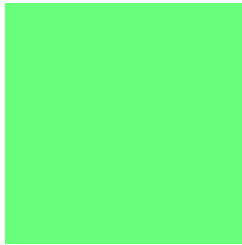
44, 83.962, 334.277



12, 39.105, 333.456

Previews

White Background



This preview shows how the CIE LCh color 90, 83.655, 142.610 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 90, 83.655, 142.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

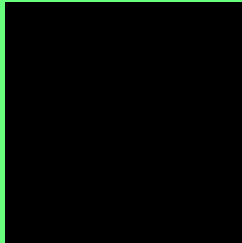
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

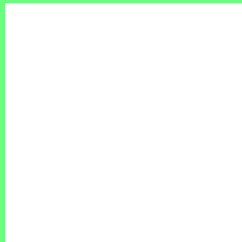
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 83.655, 142.610

Background



This preview shows how black text looks on a background with the CIELCh color 90, 83.655, 142.610.

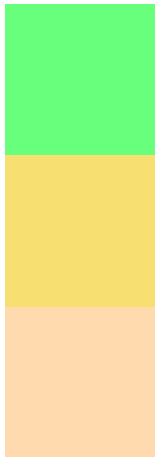


This preview shows how white text looks on a background with the CIELCh color 90, 83.655, 142.610.

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

90, 83.134, 142.688

Protanopia

89, 56.732, 95.704

Deuteranopia

89, 26.828, 75.289

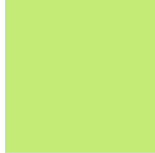


Tritanopia
90, 26.735, 217.378

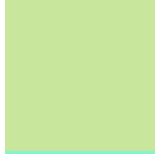
Trichromacy



Original Color
90, 83.134, 142.688



Protanomaly
88, 61.016, 120.580



Deuteranomaly
88, 40.278, 124.354

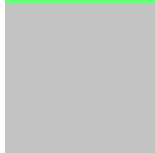


Tritanomaly
89, 40.465, 168.336

Monochromacy



Original Color
90, 83.134, 142.688



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 32.541, 146.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 83.655, 142.610 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(104, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 124)  
}
```

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(104, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 83.655, 142.610 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(104, 255, 124) }
```

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

```
.border{ border-color:rgb(104, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 83.655, 142.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 124) }
```

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

```
.background{ background-color: rgb(104,  
255, 124) }
```

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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