

Converting Colors

CIELCh(90, 83.070, 144.931)

Have a look what the booklet for
CIELCh(90, 83.070, 144.931)
contains.

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Color

CIELCh(90, 82.427, 145.009)

Conversions

Conversions Part 1

Format	Color
Hex	5EFF83
RGB	94, 255, 131
RGB Percent	37%, 100%, 51%
CMY	0.6299, 0.0000, 0.4861
CMYK	0.63, 0.00, 0.49, 0.00
HSL	134°, 100%, 69%
HSV	134°, 63%, 100%
XYZ	44.8861, 76.3034, 33.8534
YIQ	192.7250, -56.1520, -72.6960

Conversions

Conversions Part 2

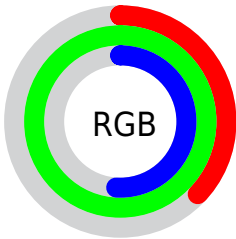
Format	Color
RYB	94, 225, 255
Decimal	6225795
CIELab	90.00, -67.53, 47.27
CIELCh	90, 82.427, 145.009
Yxy	76.3034, 0.2895, 0.4921
Android (android.graphics.Color)	4284415875 (0xFF5EFF83)
YUV	192.7250, -30.4304, -86.5818
Hunter-Lab	87.3518, -61.1426, 38.1683

Details

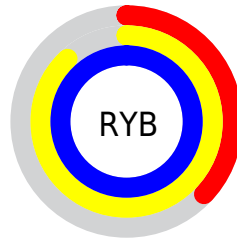
The CIELCh color **90, 82.427, 145.009** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **65, 80.538, 336.144**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 48.918, 150.300**, and **70, 81.155, 144.389** is the 20% darker color. If you saturate the color by 10%, you get **89, 92.117, 143.490**, and if you desaturate by 10%, it is **91, 70.329, 146.530**.

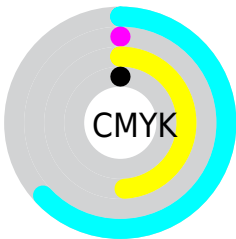
Distribution



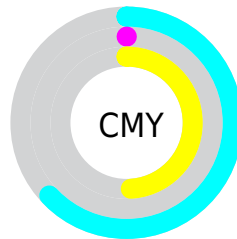
- Red (37%)
- Green (100%)
- Blue (51%)



- Red (37%)
- Yellow (88%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 82.427, 145.009 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, 82.427, 145.009 by changing the saturation by 10% instead.


 90, 82.427,
145.009


 90, 82.427,
145.009


 100, 82.427,
145.009


 80, 82.427,
145.009

 70, 82.427,
145.009

 60, 82.427,
145.009


 50, 82.427,
145.009

 40, 82.427,
145.009


 30, 82.427,
145.009


 20, 82.427,

145.009


 10, 82.427,
145.009


 0, 82.427, 145.009


 90, 82.427,
145.009


 90, 82.427,
145.009

 89, 92.117,
143.490


 91, 70.329,
146.530


 88, 100.894,
141.767

 92, 57.868,
147.794

 88, 107.967,
140.006

 93, 44.755,
148.893

 88, 111.894,
138.849

 95, 31.262,
149.842

■ 97, 17.623,
150.666

■ 99, 4.028, 151.443

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, 82.427, 145.009



65, 80.538, 336.144

Rectangle

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



90, 82.427, 145.009



90, 82.427, 195.009



90, 82.427, 325.009



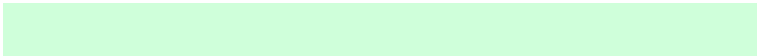
90, 82.427, 15.009

Sweetspot

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



90, 81.842, 145.091



96, 25.822, 150.185



95, 77.649, 114.800



51, 17.779, 149.941



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, 81.842, 145.091



89, 94.925, 142.982



91, 53.280, 169.796



52, 7.697, 150.932



68, 89.467, 139.159



23, 38.747, 141.757

Inverse Universe

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



65, 80.538, 336.144



61, 90.616, 337.356



63, 64.958, 7.306



50, 7.725, 332.123



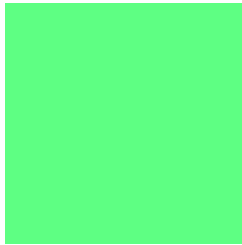
43, 78.039, 339.971



11, 36.631, 338.243

Previews

White Background



This preview shows how the CIE LCh color 90, 82.427, 145.009 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, 82.427, 145.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

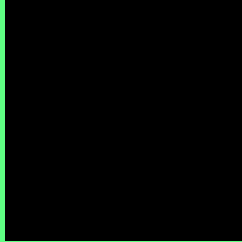
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 82.427, 145.009

Background



This preview shows how black text looks on a background with the CIELCh color 90, 82.427, 145.009.

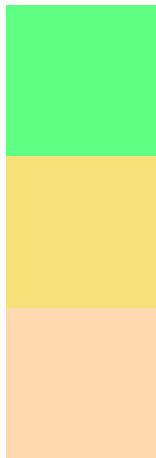


This preview shows how white text looks on a background with the CIELCh color 90, 82.427, 145.009.

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, 81.913, 145.116

Protanopia
89, 53.434, 95.883

Deuteranopia
89, 26.644, 74.035



Tritanopia
89, 27.688, 216.630

Trichromacy



Original Color
90, 81.913, 145.116



Protanomaly
88, 58.394, 122.996



Deuteranomaly
88, 39.235, 126.607

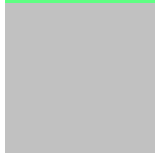


Tritanomaly
89, 40.920, 171.059

Monochromacy



Original Color
90, 81.913, 145.116



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 32.643, 149.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 82.427, 145.009 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(94, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 131)  
}
```

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(94, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 82.427, 145.009 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(94, 255, 131) }
```

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

```
.border{ border-color:rgb(94, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 82.427, 145.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 131) }
```

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

```
.background{ background-color: rgb(94, 255,  
131) }
```

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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