

Converting Colors

CIELCh(90, 82.332, 144.401)

Have a look what the booklet for
CIELCh(90, 82.332, 144.401)
contains.

CIELCh(90, 81.734, 144.511)	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(90, 81.734, 144.511)

Conversions

Conversions Part 1

Format	Color
Hex	63FF83
RGB	99, 255, 131
RGB Percent	39%, 100%, 51%
CMY	0.6121, 0.0000, 0.4874
CMYK	0.61, 0.00, 0.49, 0.00
HSL	132°, 100%, 69%
HSV	132°, 61%, 100%
XYZ	45.2251, 76.3034, 33.7165
YIQ	194.2200, -53.1720, -71.6360

Conversions

Conversions Part 2

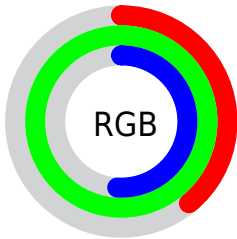
Format	Color
R _Y B	99, 228, 255
Decimal	6553475
CIE Lab	90.00, -66.55, 47.45
CIE LCh	90, 81.734, 144.511
Yxy	76.3034, 0.2913, 0.4915
Android (android.graphics.Color)	4284743555 (0xFF63FF83)
YUV	194.2200, -31.1675, -83.5079
Hunter-Lab	87.3518, -60.4499, 38.2612

Details

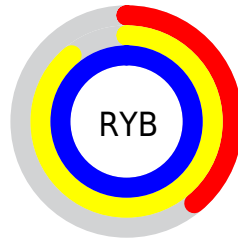
The CIELCh color **90, 81.734, 144.511** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66, 80.124, 334.913**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 48.066, 149.331**, and **70, 81.155, 144.389** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.992, 143.021**, and if you desaturate by 10%, it is **91, 69.432, 145.951**.

Distribution



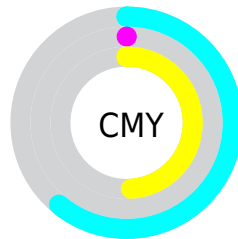
- Red (39%)
- Green (100%)
- Blue (51%)



- Red (39%)
- Yellow (89%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 81.734, 144.511 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, 81.734, 144.511 by changing the saturation by 10% instead.


 90, 81.734,
144.511


 90, 81.734,
144.511


 100, 81.734,
144.511


 80, 81.734,
144.511

 70, 81.734,
144.511

 60, 81.734,
144.511


 50, 81.734,
144.511

 40, 81.734,
144.511


 30, 81.734,
144.511


 20, 81.734,


144.511


 10, 81.734,
144.511


 0, 81.734, 144.511


 90, 81.734,
144.511


 90, 81.734,
144.511


 89, 91.992,
143.021


 91, 69.432,
145.951


 88, 101.112,
141.366

 92, 56.604,
147.170

 88, 108.440,
139.683

 94, 43.156,
148.229

 88, 113.316,
138.317

 95, 29.367,
149.143

■ 97, 15.472,
149.937

■ 100, 1.655,
150.811

■ 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, 81.734, 144.511



66, 80.124, 334.913

Rectangle

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



90, 81.734, 144.511



90, 81.734, 194.511



90, 81.734, 324.511



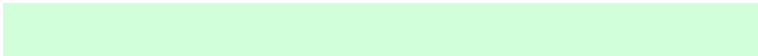
90, 81.734, 14.511

Sweetspot

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



90, 81.333, 144.563



96, 24.903, 149.409



95, 75.638, 114.099



51, 17.315, 149.168



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, 81.333, 144.563



89, 93.742, 142.732



91, 52.963, 168.839



52, 7.836, 150.063



68, 90.648, 138.604



23, 39.354, 141.080

Inverse Universe

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



66, 80.124, 334.913



62, 90.158, 335.884



64, 63.400, 5.510



50, 7.861, 331.232



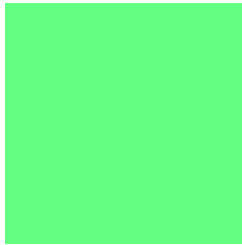
43, 79.454, 338.420



11, 37.230, 336.948

Previews

White Background



This preview shows how the CIE LCh color 90, 81.734, 144.511 looks on a white background.

Color Contrast Check

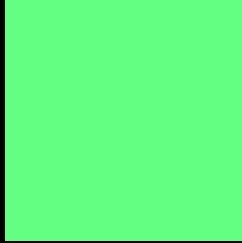
Large Text (above 18pt) WCAG AA × Fail

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, 81.734, 144.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

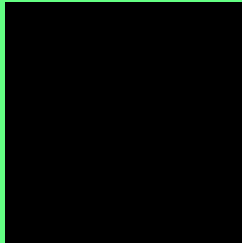
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 81.734, 144.511

Background



This preview shows how black text looks on a background with the CIELCh color 90, 81.734, 144.511.

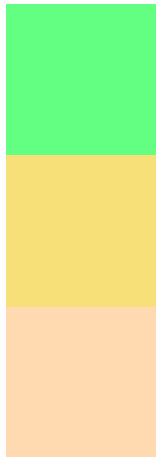


This preview shows how white text looks on a background with the CIELCh color 90, 81.734, 144.511.

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, 81.213, 144.610

Protanopia
89, 53.517, 95.442

Deuteranopia
89, 26.644, 74.035



Tritanopia
89, 27.214, 216.996

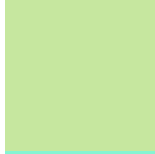
Trichromacy



Original Color
90, 81.213, 144.610



Protanomaly
88, 58.151, 122.290



Deuteranomaly
88, 39.102, 126.099

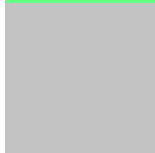


Tritanomaly
89, 40.245, 170.650

Monochromacy



Original Color
90, 81.213, 144.610



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 31.771, 148.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 81.734, 144.511 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(99, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 81.734, 144.511 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(99, 255, 131) }
```

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

```
.border{ border-color:rgb(99, 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(99, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 81.734, 144.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 131) }
```

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

```
.background{ background-color: rgb(99, 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](#).

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