

Converting Colors

CIELCh(89, 90.196, 144.058)

Have a look what the booklet for
CIELCh(89, 90.196, 144.058)
contains.

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Color

CIELCh(89, 90.136, 144.081)

Conversions

Conversions Part 1

Format	Color
Hex	48FF74
RGB	72, 255, 116
RGB Percent	28%, 100%, 45%
CMY	0.7176, 0.0000, 0.5451
CMYK	0.72, 0.00, 0.55, 0.00
HSL	134°, 100%, 64%
HSV	134°, 72%, 100%
XYZ	41.5884, 74.1641, 28.6482
YIQ	184.4370, -64.4490, -82.0250

Conversions

Conversions Part 2

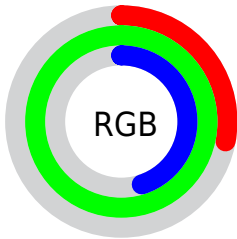
Format	Color
RYB	72, 220, 255
Decimal	4783988
CIELab	89.00, -73.00, 52.88
CIELCh	89, 90.136, 144.081
Yxy	74.1641, 0.2880, 0.5136
Android (android.graphics.Color)	4282974068 (0xFF48FF74)
YUV	184.4370, -33.7394, -98.6072
Hunter-Lab	86.1186, -64.5063, 40.5596

Details

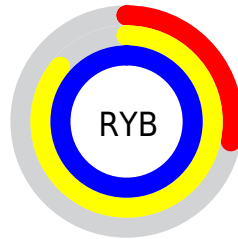
The CIELCh color **89, 90.136, 144.081** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **62, 87.136, 337.532**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 58.100, 148.436**, and **70, 86.599, 141.508** is the 20% darker color. If you saturate the color by 10%, you get **88, 99.069, 142.347**, and if you desaturate by 10%, it is **90, 79.762, 145.679**.

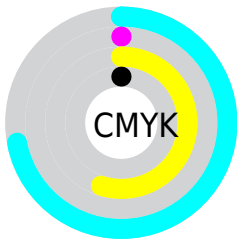
Distribution



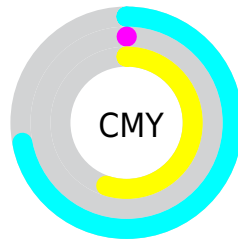
- Red (28%)
- Green (100%)
- Blue (45%)



- Red (28%)
- Yellow (86%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 90.136, 144.081 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 89, 90.136, 144.081 by changing the saturation by 10% instead.


 89, 90.136,
144.081


 89, 90.136,
144.081


 100, 90.136,
144.081


 79, 90.136,
144.081

 69, 90.136,
144.081

 59, 90.136,
144.081

 49, 90.136,
144.081

 39, 90.136,
144.081


 29, 90.136,
144.081


 19, 90.136,


144.081


 9, 90.136, 144.081


 0, 90.136, 144.081


 89, 90.136,
144.081


 89, 90.136,
144.081


 88, 99.069,
142.347


 90, 79.762,
145.679

 88, 106.379,
140.547

 91, 68.215,
147.106


 88, 111.149,
139.132


 92, 55.773,
148.357

 94, 42.721,
149.442

 95, 29.322,

150.380

 97, 15.802,
151.197

 100, 2.343,
152.034

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.



89, 90.136, 144.081



62, 87.136, 337.532

Rectangle

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



89, 90.136, 144.081



89, 90.136, 194.081



89, 90.136, 324.081



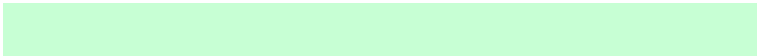
89, 90.136, 14.081

Sweetspot

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



89, 90.131, 144.082



95, 29.645, 150.359



94, 86.075, 115.392



50, 19.918, 150.117



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 90.131, 144.082



88, 102.376, 141.586



90, 57.392, 169.662



52, 7.630, 151.369



68, 88.853, 139.451



23, 38.440, 142.105

Inverse Universe

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



62, 87.136, 337.532



59, 94.297, 339.111



59, 72.594, 11.511



50, 7.659, 332.572



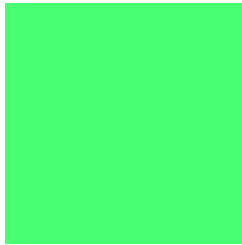
43, 77.368, 340.761



11, 36.345, 338.899

Previews

White Background



This preview shows how the CIE LCh color 89, 90.136, 144.081 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 89, 90.136, 144.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

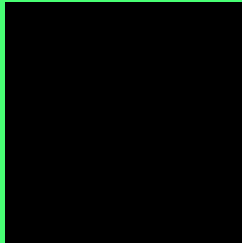
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 90.136, 144.081

Background



This preview shows how black text looks on a background with the CIELCh color 89, 90.136, 144.081.

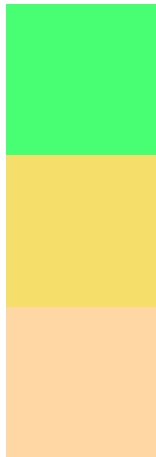


This preview shows how white text looks on a background with the CIELCh color 89, 90.136, 144.081.

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


89, 90.136, 144.081

Protanopia

88, 59.483, 95.830

Deuteranopia

88, 30.733, 76.533



Tritanopia
89, 30.653, 214.589

Trichromacy



Original Color
89, 90.136, 144.081



Protanomaly
87, 65.515, 123.514



Deuteranomaly
87, 45.537, 127.585

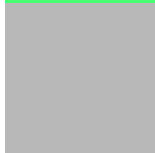


Tritanomaly
88, 46.296, 169.596

Monochromacy



Original Color
89, 90.136, 144.081



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 36.708, 149.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 90.136, 144.081 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(72, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 116)  
}
```

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(72, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 90.136, 144.081 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(72, 255, 116) }
```

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

```
.border{ border-color:rgb(72, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 90.136, 144.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 116) }
```

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

```
.background{ background-color: rgb(72, 255,  
116) }
```

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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