

Converting Colors

CIELCh(89, 93.565, 145.231)

Have a look what the booklet for
CIELCh(89, 93.565, 145.231)
contains.

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Color

CIELCh(89, 92.875, 145.398)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF74
RGB	47, 255, 116
RGB Percent	18%, 100%, 45%
CMY	0.8174, 0.0000, 0.5446
CMYK	0.82, 0.00, 0.54, 0.00
HSL	140°, 100%, 59%
HSV	140°, 82%, 100%
XYZ	40.4645, 74.1641, 28.7397
YIQ	176.9620, -79.3490, -87.3250

Conversions

Conversions Part 2

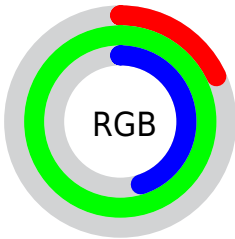
Format	Color
RYB	47, 203, 255
Decimal	3145588
CIELab	89.00, -76.45, 52.74
CIELCh	89, 92.875, 145.398
Yxy	74.1641, 0.2822, 0.5173
Android (android.graphics.Color)	4281335668 (0xFF2FFF74)
YUV	176.9620, -30.0543, -113.9767
Hunter-Lab	86.1186, -66.8358, 40.4966

Details

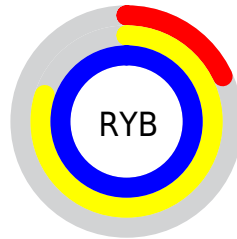
The CIELCh color **89, 92.875, 145.398** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **59, 87.476, 344.102**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 60.796, 150.852**, and **70, 86.599, 141.508** is the 20% darker color. If you saturate the color by 10%, you get **88, 99.490, 143.471**, and if you desaturate by 10%, it is **89, 83.817, 147.368**.

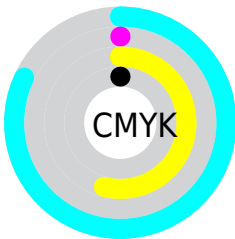
Distribution



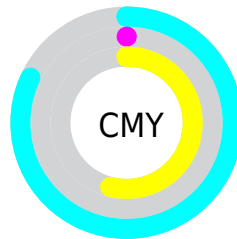
- Red (18%)
- Green (100%)
- Blue (45%)



- Red (18%)
- Yellow (80%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 92.875, 145.398 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, 92.875, 145.398 by changing the saturation by 10% instead.


 89, 92.875,
145.398

 89, 92.875,
145.398


 100, 92.875,
145.398


 79, 92.875,
145.398

 69, 92.875,
145.398

 59, 92.875,
145.398

 49, 92.875,
145.398

 39, 92.875,
145.398

 29, 92.875,
145.398


 19, 92.875,


145.398

 9, 92.875, 145.398


 0, 92.875, 145.398


 89, 92.875,
145.398


 89, 92.875,
145.398

 88, 99.490,
143.471

 89, 83.817,
147.368

 88, 104.495,
141.787


 90, 74.124,
149.056


 91, 63.399,
150.547


 92, 51.863,
151.848

 94, 39.756,

152.981

 95, 27.307,
153.967

 97, 14.720,
154.836

 100, 2.161,
155.752

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, 92.875, 145.398



59, 87.476, 344.102

Rectangle

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



89, 92.875, 145.398



89, 92.875, 195.398



89, 92.875, 325.398



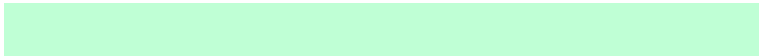
89, 92.875, 15.398

Sweetspot

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



89, 92.304, 145.492



95, 31.392, 153.660



93, 95.726, 120.115



50, 21.396, 153.313



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, 92.304, 145.492



88, 103.336, 142.178



90, 55.681, 176.974



52, 7.123, 155.019



68, 83.436, 142.169



23, 35.910, 145.155

Inverse Universe

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



59, 87.476, 344.102



56, 90.092, 347.487



56, 82.921, 23.733



50, 7.166, 336.323



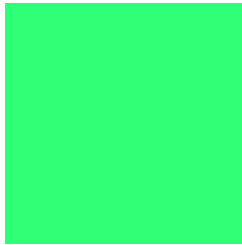
42, 72.804, 347.505



11, 34.330, 344.463

Previews

White Background



This preview shows how the CIE LCh color 89, 92.875, 145.398 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, 92.875, 145.398 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, 92.875, 145.398

Background



This preview shows how black text looks on a background with the CIELCh color 89, 92.875, 145.398.

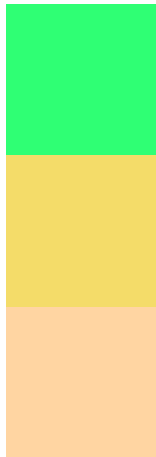


This preview shows how white text looks on a background with the CIELCh color 89, 92.875, 145.398.

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

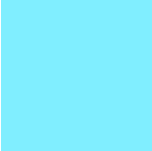
89, 92.316, 145.453

Protanopia

88, 58.728, 95.316

Deuteranopia

88, 31.699, 75.675



Tritanopia
88, 32.575, 213.454

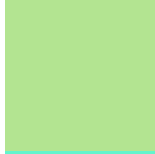
Trichromacy



Original Color
89, 92.316, 145.453



Protanomaly
86, 66.373, 126.341



Deuteranomaly
86, 46.667, 130.469



Tritanomaly
88, 49.069, 171.005

Monochromacy



Original Color
89, 92.316, 145.453



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 38.290, 152.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 92.875, 145.398 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(47, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 92.875, 145.398 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(47, 255, 116) }
```

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

```
.border{ border-color:rgb(47, 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(47, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 92.875, 145.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 116) }
```

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

```
.background{ background-color: rgb(47, 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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