

Converting Colors

CIELCh(89, 96.263, 142.125)

Have a look what the booklet for
CIELCh(89, 96.263, 142.125)
contains.

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Color

CIELCh(89, 95.776, 142.216)

Conversions

Conversions Part 1

Format	Color
Hex	42FF67
RGB	66, 255, 103
RGB Percent	26%, 100%, 40%
CMY	0.7403, 0.0000, 0.5971
CMYK	0.74, 0.00, 0.60, 0.00
HSL	132°, 100%, 63%
HSV	132°, 74%, 100%
XYZ	40.7079, 74.1641, 24.9300
YIQ	181.1610, -63.8520, -87.3400

Conversions

Conversions Part 2

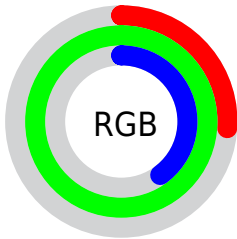
Format	Color
RYB	66, 224, 255
Decimal	4390759
CIELab	89.00, -75.69, 58.68
CIELCh	89, 95.776, 142.216
Yxy	74.1641, 0.2912, 0.5305
Android (android.graphics.Color)	4282580839 (0xFF42FF67)
YUV	181.1610, -38.5334, -100.9962
Hunter-Lab	86.1186, -66.3313, 43.1195

Details

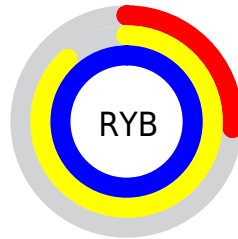
The CIELCh color **89, 95.776, 142.216** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **62, 91.498, 335.487**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 63.843, 145.203**, and **70, 91.017, 139.367** is the 20% darker color. If you saturate the color by 10%, you get **88, 104.051, 140.609**, and if you desaturate by 10%, it is **89, 85.110, 143.819**.

Distribution



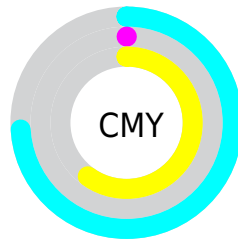
- Red (26%)
- Green (100%)
- Blue (40%)



- Red (26%)
- Yellow (88%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 95.776, 142.216 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, 95.776, 142.216 by changing the saturation by 10% instead.


 89, 95.776,
142.216


 89, 95.776,
142.216


 100, 95.776,
142.216


 79, 95.776,
142.216

 69, 95.776,
142.216

 59, 95.776,
142.216

 49, 95.776,
142.216

 39, 95.776,
142.216


 29, 95.776,
142.216


 19, 95.776,


142.216


 9, 95.776, 142.216


 0, 95.776, 142.216


 89, 95.776,
142.216


 89, 95.776,
142.216


 88, 104.051,
140.609

 89, 85.110,
143.819

 88, 110.783,
138.981

 90, 73.453,
145.242


 88, 113.877,
138.110

 92, 60.761,
146.502

 93, 47.356,
147.599

 95, 33.531,

148.547

 97, 19.537,
149.367

 99, 5.576, 150.113

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, 95.776, 142.216



62, 91.498, 335.487

Rectangle

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



89, 95.776, 142.216



89, 95.776, 192.216



89, 95.776, 322.216



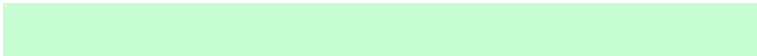
89, 95.776, 12.216

Sweetspot

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



89, 95.410, 142.255



95, 30.690, 148.724



95, 87.185, 112.991



50, 20.622, 148.488



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, 95.410, 142.255



88, 107.645, 139.790



90, 61.646, 165.470



52, 7.895, 149.706



68, 91.117, 138.387



23, 39.603, 140.807

Inverse Universe

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



62, 91.498, 335.487



59, 98.194, 336.833



59, 74.152, 8.278



50, 7.919, 330.866



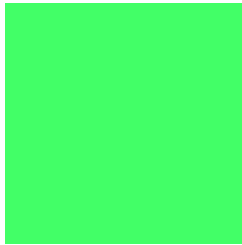
43, 80.070, 337.788



11, 37.489, 336.419

Previews

White Background



This preview shows how the CIE LCh color 89, 95.776, 142.216 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, 95.776, 142.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

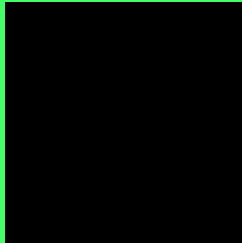
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 95.776, 142.216

Background



This preview shows how black text looks on a background with the CIELCh color 89, 95.776, 142.216.

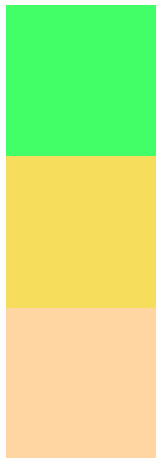


This preview shows how white text looks on a background with the CIELCh color 89, 95.776, 142.216.

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, 95.338, 142.310

Protanopia
88, 64.840, 95.310

Deuteranopia
88, 32.347, 77.115

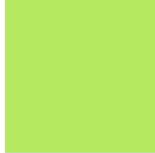


Tritanopia
88, 31.358, 215.189

Trichromacy



Original Color
89, 95.338, 142.310



Protanomaly
86, 70.477, 121.919



Deuteranomaly
86, 48.487, 126.632



Tritanomaly
88, 48.322, 167.916

Monochromacy



Original Color
89, 95.338, 142.310



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 38.877, 148.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 95.776, 142.216 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(66, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 103)  
}
```

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(66, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 95.776, 142.216 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(66, 255, 103) }
```

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

```
.border{ border-color:rgb(66, 255, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 95.776, 142.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 103) }
```

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

```
.background{ background-color: rgb(66, 255,  
103) }
```

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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