

Converting Colors

CIELCh(89, 85.621, 148.776)

Have a look what the booklet for
CIELCh(89, 85.621, 148.776)
contains.

CIELCh(89, 85.508, 148.796)	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(89, 85.508, 148.796)

Conversions

Conversions Part 1

Format	Color
Hex	33FF86
RGB	51, 255, 134
RGB Percent	20%, 100%, 53%
CMY	0.8014, 0.0000, 0.4733
CMYK	0.80, 0.00, 0.47, 0.00
HSL	145°, 100%, 60%
HSV	145°, 80%, 100%
XYZ	41.5421, 74.1641, 34.7936
YIQ	180.2100, -82.7430, -80.8790

Conversions

Conversions Part 2

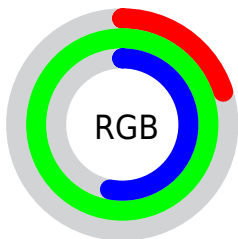
Format	Color
RYB	51, 196, 255
Decimal	3407750
CIELab	89.00, -73.14, 44.30
CIELCh	89, 85.508, 148.796
Yxy	74.1641, 0.2760, 0.4928
Android (android.graphics.Color)	4281597830 (0xFF33FF86)
YUV	180.2100, -22.7815, -113.3172
Hunter-Lab	86.1186, -64.6024, 36.3287

Details

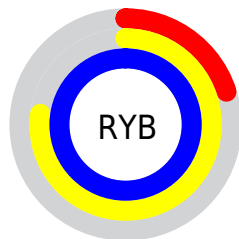
The CIELCh color **89, 85.508, 148.796** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **59, 83.277, 348.846**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 53.806, 157.033**, and **70, 79.707, 145.208** is the 20% darker color. If you saturate the color by 10%, you get **88, 92.317, 146.730**, and if you desaturate by 10%, it is **90, 77.227, 150.746**.

Distribution



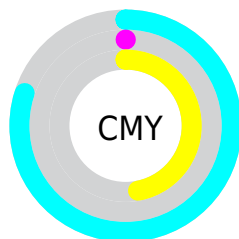
- Red (20%)
- Green (100%)
- Blue (53%)



- Red (20%)
- Yellow (77%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 85.508, 148.796 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, 85.508, 148.796 by changing the saturation by 10% instead.


 89, 85.508,
148.796

 89, 85.508,
148.796


 100, 85.508,
148.796


 79, 85.508,
148.796

 69, 85.508,
148.796

 59, 85.508,
148.796

 49, 85.508,
148.796

 39, 85.508,
148.796


 29, 85.508,
148.796


 19, 85.508,


148.796


 9, 85.508, 148.796


 0, 85.508, 148.796


 89, 85.508,
148.796


 89, 85.508,
148.796

 88, 92.317,
146.730

 90, 77.227,
150.746

 88, 98.177,
144.563


 90, 68.032,
152.449


 91, 57.898,
153.947

 93, 47.020,
155.258

 94, 35.611,

156.404

 96, 23.879,
157.413

 98, 12.008,
158.315

100, 0.153,
162.000

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, 85.508, 148.796



59, 83.277, 348.846

Rectangle

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



89, 85.508, 148.796



89, 85.508, 198.796



89, 85.508, 328.796



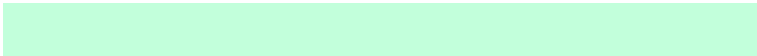
89, 85.508, 18.796

Sweetspot

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



89, 85.342, 148.833



95, 28.437, 157.038



92, 96.396, 122.826



50, 19.509, 156.676



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, 85.342, 148.833



88, 95.889, 145.432



91, 51.728, 184.295



52, 6.734, 158.370



68, 78.362, 144.976



23, 33.702, 148.122

Inverse Universe

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



59, 83.277, 348.846



56, 86.671, 353.134



56, 84.333, 27.930



50, 6.792, 339.768



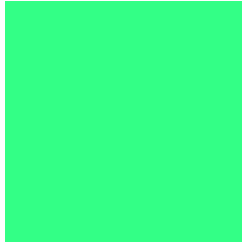
42, 70.075, 353.798



11, 33.003, 349.629

Previews

White Background



This preview shows how the CIELCh color 89, 85.508, 148.796 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, 85.508, 148.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

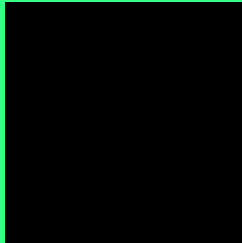
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 85.508, 148.796

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.508, 148.796.

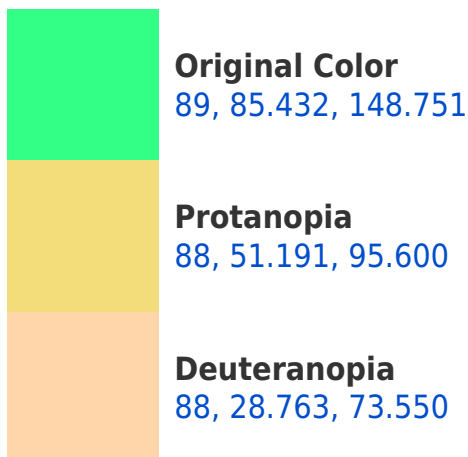


This preview shows how white text looks on a background with the CIELCh color 89, 85.508, 148.796.

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





Tritanopia
89, 31.947, 213.811

Trichromacy



Original Color
89, 85.432, 148.751



Protanomaly
86, 58.954, 129.023



Deuteranomaly
86, 41.900, 132.874

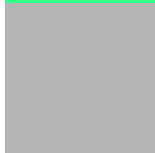


Tritanomaly
88, 46.313, 174.504

Monochromacy



Original Color
89, 85.432, 148.751



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 35.644, 155.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.508, 148.796 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(51, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 134)  
}
```

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(51, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.508, 148.796 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(51, 255, 134) }
```

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

```
.border{ border-color:rgb(51, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.508, 148.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 134) }
```

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

```
.background{ background-color: rgb(51, 255,  
134) }
```

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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