

Converting Colors

CIELCh(89, 86.110, 148.012)

Have a look what the booklet for
CIELCh(89, 86.110, 148.012)
contains.

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Color

CIELCh(89, 85.857, 148.146)

Conversions

Conversions Part 1

Format	Color
Hex	37FF84
RGB	55, 255, 132
RGB Percent	22%, 100%, 52%
CMY	0.7827, 0.0000, 0.4815
CMYK	0.78, 0.00, 0.48, 0.00
HSL	143°, 100%, 61%
HSV	143°, 78%, 100%
XYZ	41.6113, 74.1641, 34.0274
YIQ	181.1780, -79.7170, -80.6530

Conversions

Conversions Part 2

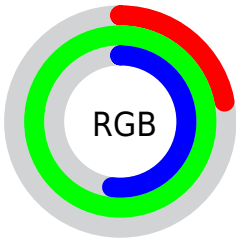
Format	Color
RYB	55, 199, 255
Decimal	3669892
CIELab	89.00, -72.93, 45.31
CIELCh	89, 85.857, 148.146
Yxy	74.1641, 0.2778, 0.4951
Android (android.graphics.Color)	4281859972 (0xFF37FF84)
YUV	181.1780, -24.2448, -110.6581
Hunter-Lab	86.1186, -64.4588, 36.8562

Details

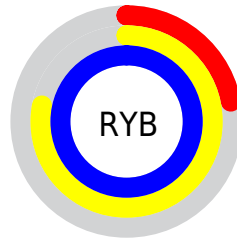
The CIELCh color **89, 85.857, 148.146** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **59, 83.492, 346.778**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.146, 155.944**, and **70, 80.435, 144.794** is the 20% darker color. If you saturate the color by 10%, you get **88, 93.099, 146.124**, and if you desaturate by 10%, it is **90, 77.214, 150.028**.

Distribution



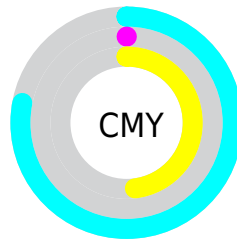
- Red (22%)
- Green (100%)
- Blue (52%)



- Red (22%)
- Yellow (78%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 85.857, 148.146 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, 85.857, 148.146 by changing the saturation by 10% instead.

 89, 85.857,
148.146

 89, 85.857,
148.146


 100, 85.857,
148.146


 79, 85.857,
148.146

 69, 85.857,
148.146

 59, 85.857,
148.146

 49, 85.857,
148.146

 39, 85.857,
148.146


 29, 85.857,
148.146


 19, 85.857,


148.146


 9, 85.857, 148.146


 0, 85.857, 148.146


 89, 85.857,
148.146


 89, 85.857,
148.146


 88, 93.099,
146.124


 90, 77.214,
150.028

 88, 99.304,
143.960

 90, 67.599,
151.680

 88, 100.298,
143.600

 92, 57.066,
153.130

 93, 45.822,
154.396

 94, 34.090,

155.502

 96, 22.079,
156.474

 98, 9.972, 157.346

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, 85.857, 148.146



59, 83.492, 346.778

Rectangle

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



89, 85.857, 148.146



89, 85.857, 198.146



89, 85.857, 328.146



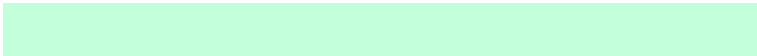
89, 85.857, 18.146

Sweetspot

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



89, 85.744, 148.170



95, 27.780, 156.029



92, 94.561, 122.078



50, 19.208, 155.672



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, 85.744, 148.170



88, 96.780, 144.888



91, 51.985, 182.659



52, 6.858, 157.242



68, 80.060, 144.005



23, 34.430, 147.108

Inverse Universe

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



59, 83.492, 346.778



56, 87.605, 350.501



57, 81.846, 25.923



50, 6.911, 338.608



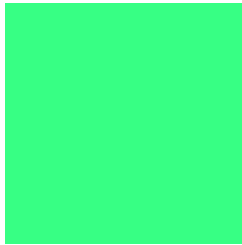
42, 70.852, 351.680



11, 33.399, 347.890

Previews

White Background



This preview shows how the CIE LCh color 89, 85.857, 148.146 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, 85.857, 148.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

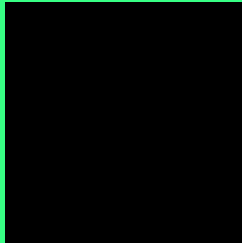
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 85.857, 148.146

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.857, 148.146.

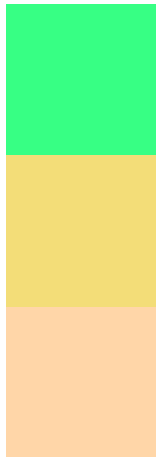


This preview shows how white text looks on a background with the CIELCh color 89, 85.857, 148.146.

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

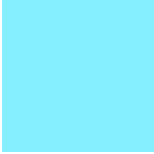
89, 85.857, 148.146

Protanopia

88, 52.129, 95.688

Deuteranopia

88, 29.204, 74.048



Tritanopia
89, 31.521, 214.060

Trichromacy



Original Color
89, 85.857, 148.146



Protanomaly
86, 59.519, 128.008



Deuteranomaly
86, 42.190, 132.138

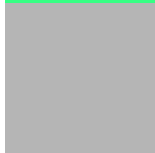


Tritanomaly
88, 46.047, 173.695

Monochromacy



Original Color
89, 85.857, 148.146



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 35.765, 154.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.857, 148.146 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(55, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 132)  
}
```

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(55, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.857, 148.146 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(55, 255, 132) }
```

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

```
.border{ border-color:rgb(55, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.857, 148.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 132) }
```

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

```
.background{ background-color: rgb(55, 255,  
132) }
```

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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