

# Converting Colors

CIELCh(89, 97.659, 142.638)

Have a look what the booklet for  
CIELCh(89, 97.659, 142.638)  
contains.

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**Color**

**CIELCh(89, 97.060, 142.663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38FF66
RGB	56, 255, 102
RGB Percent	22%, 100%, 40%
CMY	0.7792, 0.0000, 0.5992
CMYK	0.78, 0.00, 0.60, 0.00
HSL	134°, 100%, 61%
HSV	134°, 78%, 100%
XYZ	40.2314, 74.1641, 24.8162
YIQ	178.0570, -69.4910, -89.7710

# Conversions

## Conversions Part 2

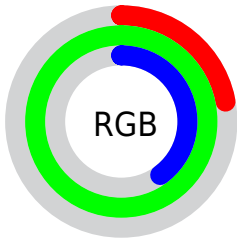
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 218, 255
Decimal	3735398
CIELab	89.00, -77.17, 58.87
CIELCh	89, 97.060, 142.663
Yxy	74.1641, 0.2890, 0.5327
Android (android.graphics.Color)	4281925478 (0xFF38FF66)
YUV	178.0570, -37.4961, -107.0440
Hunter-Lab	86.1186, -67.3190, 43.1978

# Details

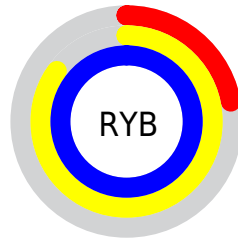
The CIELCh color **89, 97.060, 142.663** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **61, 91.546, 337.686**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 65.355, 145.981**, and **70, 91.282, 139.244** is the 20% darker color. If you saturate the color by 10%, you get **88, 104.424, 140.970**, and if you desaturate by 10%, it is **89, 86.911, 144.405**.

# Distribution



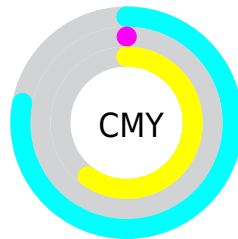
- Red (22%)
- Green (100%)
- Blue (40%)



- Red (22%)
- Yellow (85%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (78%)
- Magenta (0%)
- Yellow (60%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 97.060, 142.663 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, 97.060, 142.663 by changing the saturation by 10% instead.





 89, 97.060,  
142.663

 89, 97.060,  
142.663

 100, 97.060,  
142.663

 79, 97.060,  
142.663

 69, 97.060,  
142.663

 59, 97.060,  
142.663

 49, 97.060,  
142.663

 39, 97.060,  
142.663


 29, 97.060,  
142.663

 19, 97.060,


142.663

 9, 97.060, 142.663


 0, 97.060, 142.663


 89, 97.060,  
142.663


 89, 97.060,  
142.663


 88, 104.424,  
140.970


 89, 86.911,  
144.405

 88, 110.635,  
139.232

 90, 75.991,  
145.930


 88, 111.735,  
138.909


 91, 63.983,  
147.282

 93, 51.182,  
148.462

 94, 37.871,

149.483

 96, 24.304,  
150.367

 98, 10.693,  
151.145

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, 97.060, 142.663



61, 91.546, 337.686

# Rectangle

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



89, 97.060, 142.663



89, 97.060, 192.663



89, 97.060, 322.663



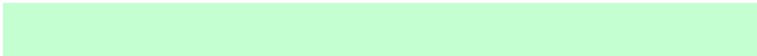
89, 97.060, 12.663

# Sweetspot

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



89, 96.466, 142.733



95, 31.211, 149.934



94, 90.610, 114.615



50, 21.597, 149.606



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, 96.466, 142.733



88, 108.408, 139.898



90, 61.469, 167.264



52, 7.683, 151.026



68, 89.336, 139.221



23, 38.681, 141.832



# Inverse Universe

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



61, 91.546, 337.686



58, 96.307, 339.578



57, 77.105, 12.557



50, 7.711, 332.220



43, 77.892, 340.141

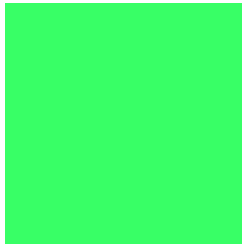


11, 36.569, 338.384



# Previews

## White Background



This preview shows how the CIE LCh color 89, 97.060, 142.663 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, 97.060, 142.663 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, 97.060, 142.663

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 97.060, 142.663.

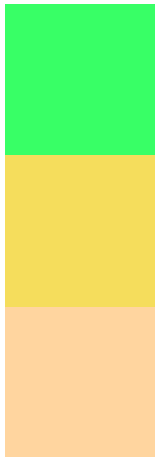


This preview shows how white text looks on a background with the CIELCh color 89, 97.060, 142.663.

# 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, 96.560, 142.717

**Protanopia**  
88, 64.761, 95.682

**Deuteranopia**  
88, 33.055, 76.879





**Tritanopia**  
88, 32.200, 214.668

# Trichromacy



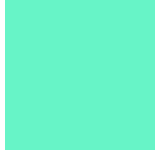
**Original Color**  
89, 96.560, 142.717



**Protanomaly**  
86, 71.122, 123.352



**Deuteranomaly**  
86, 49.265, 127.210



**Tritanomaly**  
88, 49.748, 168.020

# Monochromacy



**Original Color**  
89, 96.560, 142.717



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
77, 40.025, 148.521

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 97.060, 142.663 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(56, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 102)  
}
```

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(56, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 102) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 97.060, 142.663 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(56, 255, 102) }
```

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

```
.border{ border-color:rgb(56, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 97.060, 142.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 102) }
```

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

```
.background{ background-color: rgb(56, 255,  
102) }
```

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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