

# Converting Colors

CIELCh(89, 92.303, 138.086)

Have a look what the booklet for  
CIELCh(89, 92.303, 138.086)  
contains.

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**Color**

**CIELCh(89, 92.279, 138.073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68FD60
RGB	104, 253, 96
RGB Percent	41%, 99%, 38%
CMY	0.5914, 0.0071, 0.6229
CMYK	0.59, 0.00, 0.62, 0.01
HSL	117°, 98%, 69%
HSV	117°, 62%, 99%
XYZ	43.0316, 74.1641, 23.1533
YIQ	190.5510, -38.4070, -80.4150

# Conversions

## Conversions Part 2

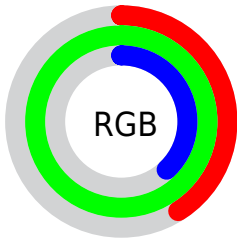
Format	Color
R <sub>YB</sub>	96, 253, 245
Decimal	6880608
CIE Lab	89.00, -68.66, 61.66
CIE LCh	89, 92.279, 138.073
Yxy	74.1641, 0.3066, 0.5284
Android (android.graphics.Color)	4285070688 (0xFF68FD60)
YUV	190.5510, -46.6136, -75.9052
Hunter-Lab	86.1186, -61.5149, 44.3427

# Details

The CIELCh color **89, 92.279, 138.073** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 91.694, 325.933**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 61.232, 137.935**, and **69, 92.327, 138.046** is the 20% darker color. If you saturate the color by 10%, you get **88, 103.253, 137.134**, and if you desaturate by 10%, it is **90, 79.351, 139.077**.

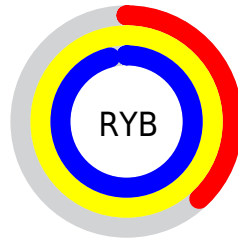
# Distribution



Red (41%)

Green (99%)

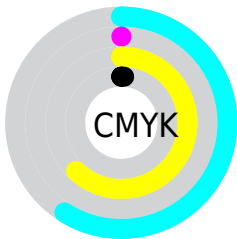
Blue (38%)



Red (38%)

Yellow (99%)

Blue (96%)

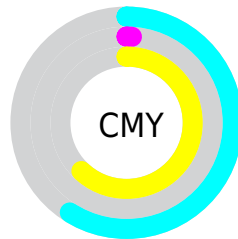


Cyan (59%)

Magenta (0%)

Yellow (62%)

Black (1%)



Cyan (59%)

Magenta (1%)

Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 92.279, 138.073 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, 92.279, 138.073 by changing the saturation by 10% instead.





 89, 92.279,  
138.073


 89, 92.279,  
138.073


 100, 92.279,  
138.073


 79, 92.279,  
138.073

 69, 92.279,  
138.073

 59, 92.279,  
138.073

 49, 92.279,  
138.073

 39, 92.279,  
138.073


 29, 92.279,  
138.073


 19, 92.279,


138.073


 9, 92.279, 138.073


 0, 92.279, 138.073


 89, 92.279,  
138.073


 89, 92.279,  
138.073


 88, 103.253,  
137.134


 90, 79.351,  
139.077


 88, 111.606,  
136.394


 91, 65.078,  
140.048

 87, 116.822,  
135.988

 93, 49.965,  
140.936

 87, 118.891,  
135.871

 95, 34.409,  
141.720

 97, 18.716,

142.403

99, 3.109, 143.058

100, 1.138,  
324.210

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



89, 92.279, 138.073



66, 91.694, 325.933

# Rectangle

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



89, 92.279, 138.073



89, 92.279, 188.073



89, 92.279, 318.073



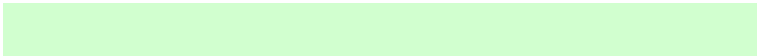
89, 92.279, 8.073

# Sweetspot

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



89, 92.280, 138.074



96, 29.853, 141.936



94, 70.951, 101.039



51, 20.557, 141.731



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, 92.280, 138.074



89, 105.737, 136.964



90, 68.011, 153.222



52, 8.894, 142.560



68, 96.205, 135.813



23, 43.406, 136.071



# Inverse Universe

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



66, 91.694, 325.933



62, 104.166, 326.204



64, 69.862, 346.916



50, 8.915, 323.542



44, 93.335, 326.223

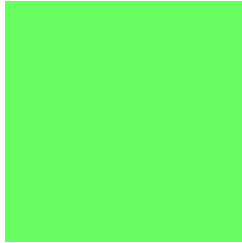


12, 42.921, 326.462



# Previews

## White Background



This preview shows how the CIELCh color 89, 92.279, 138.073 looks on a white background.

## Color Contrast Check

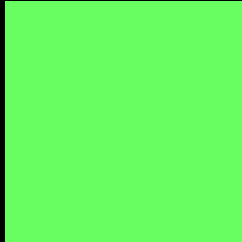
Large Text (above 18pt) WCAG AA × Fail

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, 92.279, 138.073 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

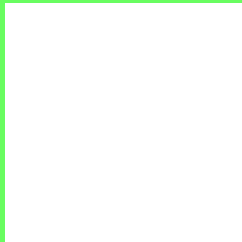
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 89, 92.279, 138.073**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 92.279, 138.073.

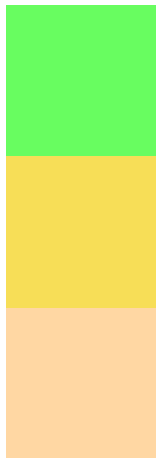


This preview shows how white text looks on a background with the CIELCh color 89, 92.279, 138.073.

# 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, 92.279, 138.073

**Protanopia**  
88, 67.291, 95.448

**Deuteranopia**  
88, 31.641, 77.355



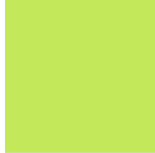


**Tritanopia**  
89, 28.702, 217.022

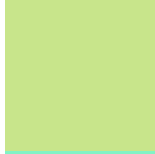
# Trichromacy



**Original Color**  
89, 92.279, 138.073



**Protanomaly**  
87, 71.311, 117.065



**Deuteranomaly**  
87, 47.246, 120.430

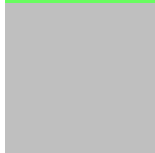


**Tritanomaly**  
88, 44.498, 163.971

# Monochromacy



**Original Color**  
89, 92.279, 138.073



**Achromatopsia**  
77, 0.009, 296.813



**Achromatomaly**  
81, 36.511, 141.787

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 92.279, 138.073 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(104, 253, 96)` looks like.

```
.text, #text, p{  
    color:rgb(104, 253, 96)  
}
```

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(104, 253, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 253, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 92.279, 138.073 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(104, 253, 96) }
```

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

```
.border{ border-color:rgb(104, 253, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 253, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 253, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 253, 96);  
box-shadow:4px 4px 4px 4px rgb(104, 253,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 92.279, 138.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 253, 96) }
```

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

```
.background{ background-color: rgb(104,  
253, 96) }
```

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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