

Converting Colors

CIELCh(89, 102.898, 137.010)

Have a look what the booklet for
CIELCh(89, 102.898, 137.010)
contains.

CIELCh(89, 102.899, 136.970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(89, 102.899, 136.970)

Conversions

Conversions Part 1

Format	Color
Hex	55FF49
RGB	85, 255, 73
RGB Percent	33%, 100%, 29%
CMY	0.6650, 0.0000, 0.7124
CMYK	0.67, 0.00, 0.71, 0.00
HSL	116°, 100%, 64%
HSV	116°, 71%, 100%
XYZ	40.8622, 74.1641, 18.5226
YIQ	183.4220, -42.8980, -92.6420

Conversions

Conversions Part 2

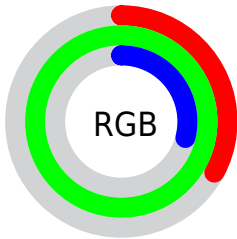
Format	Color
R_{YB}	73, 255, 243
Decimal	5635913
CIE _{Lab}	89.00, -75.22, 70.22
CIE _{LCh}	89, 102.899, 136.970
Yxy	74.1641, 0.3060, 0.5553
Android (android.graphics.Color)	4283825993 (0xFF55FF49)
YUV	183.4220, -54.4380, -86.3161
Hunter-Lab	86.1186, -66.0116, 47.5308

Details

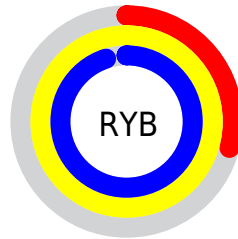
The CIELCh color **89, 102.899, 136.970** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **63, 101.682, 325.655**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 72.173, 136.321**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 111.433, 136.269**, and if you desaturate by 10%, it is **90, 91.519, 137.872**.

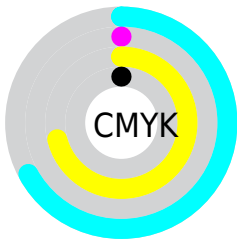
Distribution



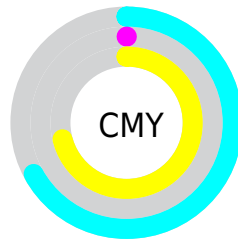
- Red (33%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 102.899, 136.970 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, 102.899, 136.970 by changing the saturation by 10% instead.


 89, 102.899,
136.970


 89, 102.899,
136.970


 100, 102.899,
136.970


 79, 102.899,
136.970

 69, 102.899,
136.970

 59, 102.899,
136.970

 49, 102.899,
136.970

 39, 102.899,
136.970

 29, 102.899,
136.970

 19, 102.899,

136.970

■ 9, 102.899,
136.970

■ 0, 102.899,
136.970

■ 89, 102.899,
136.970

■ 89, 102.899,
136.970

■ 88, 111.433,
136.269

■ 90, 91.519,
137.872

■ 88, 117.007,
135.896

■ 91, 78.401,
138.835

■ 88, 119.449,
135.816

■ 92, 64.002,
139.769

■ 94, 48.814,
140.624

■ 95, 33.221,
141.381

■ 97, 17.514,
142.042

■ 100, 1.909,
142.736

■ 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, 102.899, 136.970



63, 101.682, 325.655

Rectangle

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



89, 102.899, 136.970



89, 102.899, 186.970



89, 102.899, 316.970



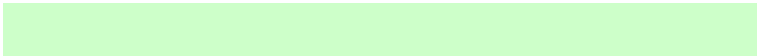
89, 102.899, 6.970

Sweetspot

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



89, 102.754, 136.972



95, 32.844, 141.398



94, 79.545, 100.232



50, 22.236, 141.200



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, 102.754, 136.972



88, 113.911, 136.085



89, 76.536, 151.608



52, 8.849, 142.148



68, 96.119, 135.748



23, 43.283, 135.859

Inverse Universe

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



63, 101.682, 325.655



59, 111.540, 325.758



61, 77.405, 348.588



50, 8.873, 323.111



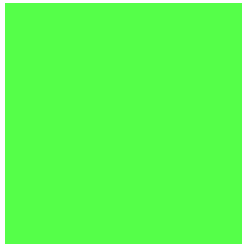
43, 93.440, 325.627



11, 42.961, 325.936

Previews

White Background



This preview shows how the CIELCh color 89, 102.899, 136.970 looks on a white background.

Color Contrast Check

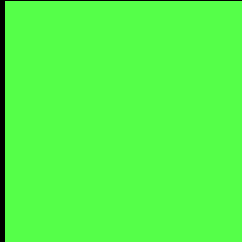
Large Text (above 18pt) WCAG AA × Fail

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, 102.899, 136.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

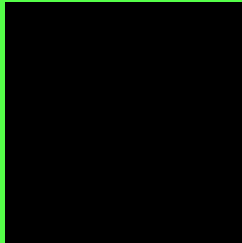
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 102.899, 136.970

Background



This preview shows how black text looks on a background with the CIELCh color 89, 102.899, 136.970.

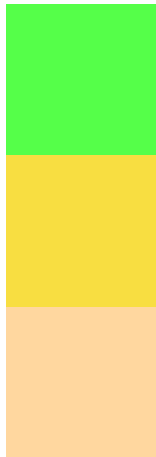


This preview shows how white text looks on a background with the CIELCh color 89, 102.899, 136.970.

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, 102.899, 136.970

Protanopia

88, 75.541, 95.359

Deuteranopia

88, 33.473, 78.850



Tritanopia
89, 30.053, 216.051

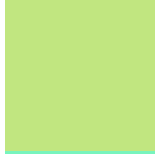
Trichromacy



Original Color
89, 102.899, 136.970



Protanomaly
87, 80.325, 117.128

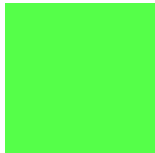


Deuteranomaly
87, 53.663, 121.804

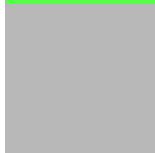


Tritanomaly
88, 49.867, 161.242

Monochromacy



Original Color
89, 102.899, 136.970



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 42.032, 140.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 102.899, 136.970 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(85, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 73)  
}
```

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(85, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 102.899, 136.970 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(85, 255, 73) }
```

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

```
.border{ border-color:rgb(85, 255, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 102.899, 136.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 73) }
```

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

```
.background{ background-color: rgb(85, 255,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor