

Converting Colors

CIELCh(89, 101.580, 137.321)

Have a look what the booklet for
CIELCh(89, 101.580, 137.321)
contains.

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Color

CIELCh(89, 101.618, 137.336)

Conversions

Conversions Part 1

Format	Color
Hex	56FF4D
RGB	86, 255, 77
RGB Percent	34%, 100%, 30%
CMY	0.6618, 0.0000, 0.6973
CMYK	0.66, 0.00, 0.70, 0.00
HSL	117°, 100%, 65%
HSV	117°, 70%, 100%
XYZ	41.0232, 74.1641, 19.2079
YIQ	184.1770, -43.5860, -91.1860

Conversions

Conversions Part 2

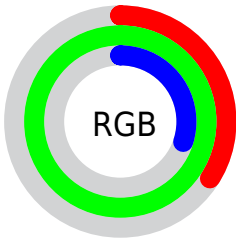
Format	Color
RYB	77, 255, 246
Decimal	5701453
CIELab	89.00, -74.72, 68.87
CIELCh	89, 101.618, 137.336
Yxy	74.1641, 0.3052, 0.5518
Android (android.graphics.Color)	4283891533 (0xFF56FF4D)
YUV	184.1770, -52.8383, -86.1012
Hunter-Lab	86.1186, -65.6779, 47.0590

Details

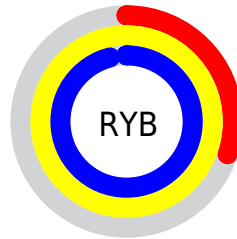
The CIELCh color **89, 101.618, 137.336** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **63, 100.351, 326.135**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 70.966, 136.909**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 110.586, 136.539**, and if you desaturate by 10%, it is **90, 89.995, 138.304**.

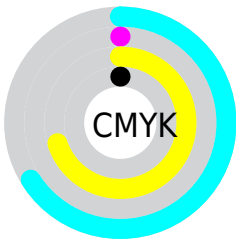
Distribution



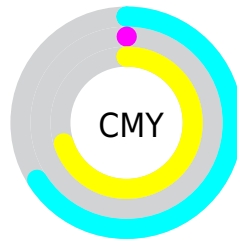
- Red (34%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (96%)



- Cyan (66%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 101.618, 137.336 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, 101.618, 137.336 by changing the saturation by 10% instead.


 89, 101.618,
137.336


 89, 101.618,
137.336


 100, 101.618,
137.336


 79, 101.618,
137.336

 69, 101.618,
137.336

 59, 101.618,
137.336

 49, 101.618,
137.336

 39, 101.618,
137.336

 29, 101.618,
137.336

 19, 101.618,

137.336

■ 9, 101.618,
137.336

■ 0, 101.618,
137.336

■ 89, 101.618,
137.336

■ 89, 101.618,
137.336

■ 88, 110.586,
136.539

■ 90, 89.995,
138.304

■ 88, 116.567,
136.048

■ 91, 76.634,
139.308

■ 88, 119.485,
135.879

■ 92, 62.045,
140.264

■ 88, 119.542,
135.873

■ 94, 46.711,
141.130

■ 96, 31.008,
141.891

■ 98, 15.224,
142.553

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, 101.618, 137.336



63, 100.351, 326.135

Rectangle

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



89, 101.618, 137.336



89, 101.618, 187.336



89, 101.618, 317.336



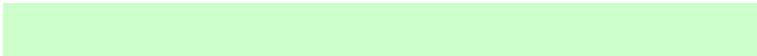
89, 101.618, 7.336

Sweetspot

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



89, 101.535, 137.338



95, 33.012, 141.800



94, 78.309, 100.358



50, 22.349, 141.597



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, 101.535, 137.338



88, 113.539, 136.285



90, 75.265, 151.884



52, 8.894, 142.567



68, 96.207, 135.814



23, 43.408, 136.075

Inverse Universe

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



63, 100.351, 326.135



60, 110.984, 326.305



61, 76.369, 348.293



50, 8.916, 323.549



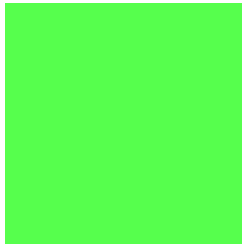
44, 93.334, 326.234



12, 42.921, 326.472

Previews

White Background



This preview shows how the CIE LCh color 89, 101.618, 137.336 looks on a white background.

Color Contrast Check

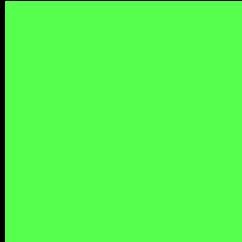
Large Text (above 18pt) WCAG AA × Fail

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, 101.618, 137.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

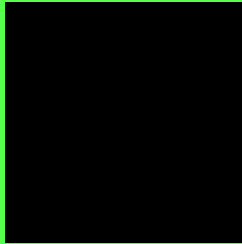
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 101.618, 137.336

Background



This preview shows how black text looks on a background with the CIELCh color 89, 101.618, 137.336.

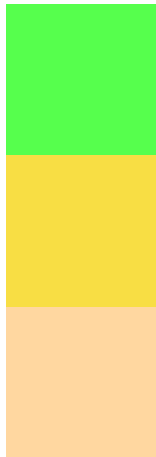


This preview shows how white text looks on a background with the CIELCh color 89, 101.618, 137.336.

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, 101.618, 137.336

Protanopia

88, 74.520, 95.335

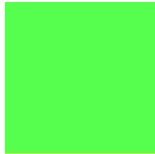
Deuteranopia

88, 33.013, 78.494



Tritanopia
89, 29.831, 216.205

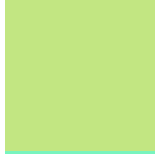
Trichromacy



Original Color
89, 101.618, 137.336



Protanomaly
87, 79.330, 117.359

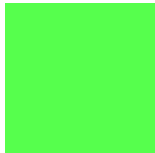


Deuteranomaly
87, 52.632, 121.736



Tritanomaly
88, 49.517, 161.700

Monochromacy



Original Color
89, 101.618, 137.336



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 41.593, 141.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 101.618, 137.336 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(86, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(86, 255, 77)  
}
```

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(86, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 101.618, 137.336 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(86, 255, 77) }
```

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

```
.border{ border-color:rgb(86, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 101.618, 137.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 77) }
```

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

```
.background{ background-color: rgb(86, 255,  
77) }
```

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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