

Converting Colors

CIELCh(89, 101.408, 138.196)

Have a look what the booklet for
CIELCh(89, 101.408, 138.196)
contains.

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Color

CIELCh(89, 101.093, 138.291)

Conversions

Conversions Part 1

Format	Color
Hex	51FF51
RGB	81, 255, 81
RGB Percent	32%, 100%, 32%
CMY	0.6837, 0.0000, 0.6805
CMYK	0.68, 0.00, 0.68, 0.00
HSL	120°, 100%, 66%
HSV	120°, 68%, 100%
XYZ	40.7809, 74.1641, 20.0439
YIQ	183.1380, -47.8500, -91.0020

Conversions

Conversions Part 2

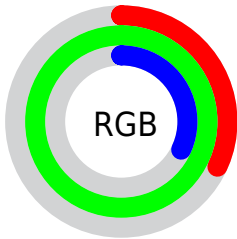
Format	Color
RYB	81, 255, 255
Decimal	5373777
CIELab	89.00, -75.47, 67.26
CIELCh	89, 101.093, 138.291
Yxy	74.1641, 0.3021, 0.5494
Android (android.graphics.Color)	4283563857 (0xFF51FF51)
YUV	183.1380, -50.3540, -89.5750
Hunter-Lab	86.1186, -66.1801, 46.4834

Details

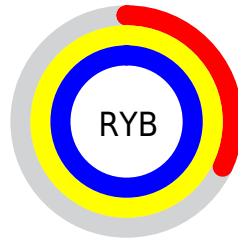
The CIELCh color **89, 101.093, 138.291** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle muted green. A complement of this color would be **65, 99.092, 327.897**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 70.061, 138.531**, and **69, 98.175, 136.206** is the 20% darker color. If you saturate the color by 10%, you get **88, 110.141, 137.261**, and if you desaturate by 10%, it is **90, 89.132, 139.452**.

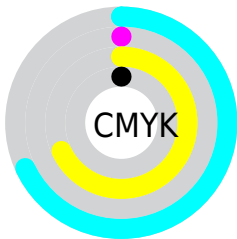
Distribution



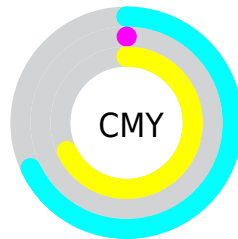
- Red (32%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 101.093, 138.291 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, 101.093, 138.291 by changing the saturation by 10% instead.


 89, 101.093,
138.291


 89, 101.093,
138.291


 100, 101.093,
138.291


 79, 101.093,
138.291

 69, 101.093,
138.291

 59, 101.093,
138.291

 49, 101.093,
138.291

 39, 101.093,
138.291

 29, 101.093,
138.291

 19, 101.093,

138.291

■ 9, 101.093,
138.291

■ 0, 101.093,
138.291

■ 89, 101.093,
138.291

■ 89, 101.093,
138.291

■ 88, 110.141,
137.261

■ 90, 89.132,
139.452

■ 88, 116.352,
136.488

■ 91, 75.562,
140.593

■ 88, 119.372,
136.085

■ 92, 60.750,
141.649

■ 88, 119.703,
136.042

■ 94, 45.184,
142.585

■ 96, 29.256,
143.396

■ 98, 13.265,
144.097

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, 101.093, 138.291



65, 99.092, 327.897

Rectangle

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



89, 101.093, 138.291



89, 101.093, 188.291



89, 101.093, 318.291



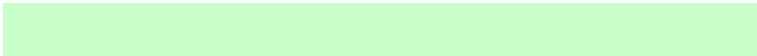
89, 101.093, 8.291

Sweetspot

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



89, 100.875, 138.299



95, 33.457, 143.195



97, 81.239, 103.986



50, 22.649, 142.974



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, 100.875, 138.299



88, 112.769, 136.942



90, 69.737, 155.344



52, 9.014, 144.022



68, 96.387, 136.053



22, 43.720, 136.865

Inverse Universe

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



65, 99.092, 327.897



62, 109.515, 328.229



62, 73.081, 352.512



50, 9.028, 325.074



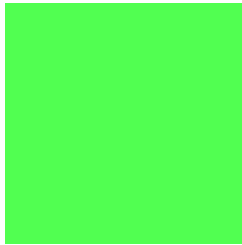
45, 92.736, 328.423



12, 42.682, 328.400

Previews

White Background



This preview shows how the CIELCh color 89, 101.093, 138.291 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, 101.093, 138.291 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, 101.093, 138.291

Background



This preview shows how black text looks on a background with the CIELCh color 89, 101.093, 138.291.

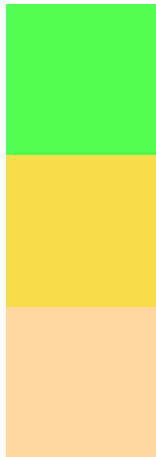


This preview shows how white text looks on a background with the CIELCh color 89, 101.093,

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

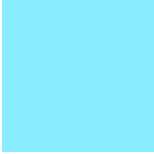
89, 100.982, 138.214

Protanopia

88, 72.739, 95.258

Deuteranopia

88, 33.259, 77.871

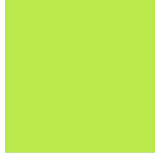


Tritanopia
88, 30.493, 215.752

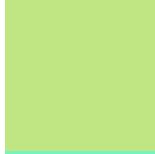
Trichromacy



Original Color
89, 100.982, 138.214



Protanomaly
87, 77.705, 118.045

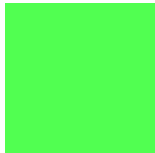


Deuteranomaly
86, 51.861, 122.463

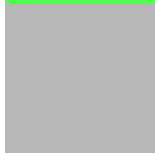


Tritanomaly
88, 49.422, 163.042

Monochromacy



Original Color
89, 100.982, 138.214



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 40.960, 142.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 101.093, 138.291 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(81, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 81)  
}
```

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(81, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 101.093, 138.291 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(81, 255, 81) }
```

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

```
.border{ border-color:rgb(81, 255, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 255, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 101.093, 138.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 81) }
```

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

```
.background{ background-color: rgb(81, 255,  
81) }
```

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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