Converting Colors

CIELCh(89, 90.055, 139.243)

Have a look what the booklet for CIELCh(89, 90.055, 139.243) contains.

Color

CIELCh(89, 89.978, 139.236)

Conversions

Conversions Part 1

Format	Color
Hex	67FD67
RGB	103, 253, 103
RGB Percent	40%, 99%, 40%
CMY	0.5958, 0.0075, 0.5958
CMYK	0.59, 0.00, 0.59, 0.01
HSL	120°, 97%, 70%
HSV	120°, 59%, 99%
XYZ	43.2018, 74.1641, 24.8873
YIQ	191.0500, -41.2500, -78.4500

Conversions

Conversions Part 2

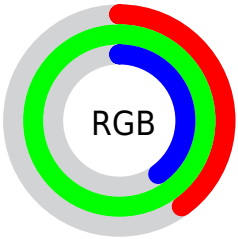
Format	Color
RYB	103, 253, 253
Decimal	6815079
CIELab	89.00, -68.15, 58.75
CIELCh	89, 89.978, 139.236
Yxy	74.1641, 0.3037, 0.5214
Android (android.graphics.Color)	4285005159 (0xFF67FD67)
YUV	191.0500, -43.4086, -77.2198
Hunter-Lab	86.1186, -61.1622, 43.1489

Details

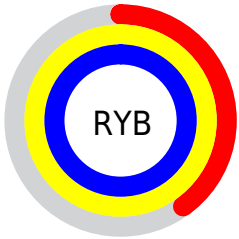
The CIELCh color 89, 89.978, 139.236 is a light color, and the websafe version is hex 66FF66. A complement of this color would be 68, 89.025, 327.437, and the grayscale version is 78, 0.009, 296.813.

A 20% lighter version of the original color is 93, 58.914, 139.675, and 69, 89.922, 139.258 is the 20% darker color. If you saturate the color by 10%, you get 88, 101.458, 138.101, and if you desaturate by 10%, it is 90, 76.604, 140.375.

Distribution

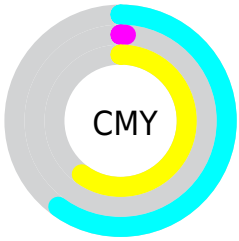


- Red (40%)
- Green (99%)
- Blue (40%)



- Red (40%)
- Yellow (99%)
- Blue (99%)

- Cyan (59%)
- Magenta (0%)
- Yellow (59%)
- Black (1%)



- Cyan (60%)
- Magenta (1%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 89.978, 139.236 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, 89.978, 139.236 by changing the saturation by 10% instead.

89, 89.978, 139.236

100, 89.978, 139.236

89, 89.978, 139.236

79, 89.978, 139.236

69, 89.978, 139.236

59, 89.978, 139.236

49, 89.978, 139.236

39, 89.978, 139.236

29, 89.978, 139.236

19, 89.978,

139.236

9, 89.978, 139.236

0, 89.978, 139.236

89, 89.978, 139.236

89, 89.978, 139.236

88, 101.458, 138.101

90, 76.604, 140.375

88, 110.386, 137.102

91, 61.934, 141.436

87, 116.204, 136.389

93, 46.468, 142.381

87, 118.943, 136.035

95, 30.606, 143.202

87, 119.092,

97, 14.657,

136.016

143.910

100, 1.151, 324.211

100, 1.203, 324.227

Harmonies

Complementary

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

89, 89.978, 139.236

68, 89.025, 327.437

Rectangle

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

89, 89.978, 139.236

89, 89.978, 189.236

89, 89.978, 319.236

89, 89.978, 9.236

Sweetspot

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

89, 89.979, 139.237

96, 28.751, 143.297

96, 71.100, 103.841

51, 19.991, 143.075

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, 89.979, 139.237

89, 103.823, 137.912

90, 62.612, 156.056

52, 9.043, 143.894

68, 96.474, 136.016

22, 43.825, 136.775

Inverse Universe

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

68, 89.025, 327.437

64, 101.849, 327.818

65, 65.667, 349.580

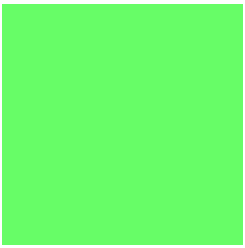
50, 9.057, 324.945

45, 93.083, 328.230

12, 42.823, 328.230

Previews

White Background

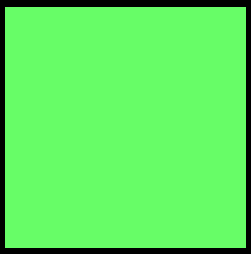


This preview shows how the CIELCh color 89, 89.978, 139.236 looks on a white background.

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, 89.978, 139.236 looks on a black background.

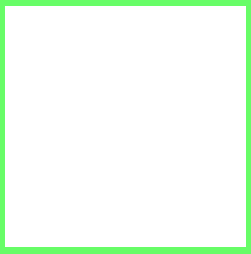
Color Contrast Check

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, 89.978, 139.236 Background

This preview shows how black text looks on a background with the CIELCh color 89, 89.978, 139.236.



This preview shows how white text looks on a background with the CIELCh color 89, 89.978, 139.236.

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

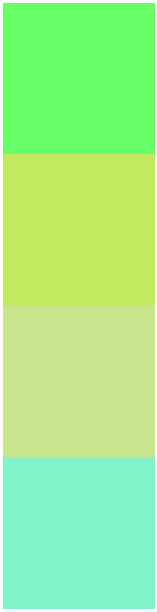
Original Color
89, 89.978, 139.236

Protanopia
88, 64.403, 95.317

Deuteranopia
88, 31.186, 76.951

Tritanopia
89, 28.702, 217.022

Trichromacy



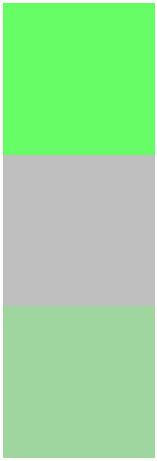
Original Color
89, 89.978, 139.236

Protanomaly
87, 68.504, 117.760

Deuteranomaly
87, 45.826, 120.947

Tritanomaly
88, 43.506, 165.594

Monochromacy



Original Color
89, 89.978, 139.236

Achromatopsia
77, 0.009, 296.813

Achromatomaly
81, 35.636, 142.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 89.978, 139.236 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(103, 253, 103) looks like.

```
.text, #text, p{
    color:rgb(103, 253, 103)
}
```

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(103, 253, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 253, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 89.978, 139.236 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(103, 253, 103) }
```

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

```
.border{ border-color:rgb(103, 253, 103) }
```

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

Here you see how a box with a 4 pixel rgb(103, 253, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 253, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 253, 103); box-shadow:4px 4px 4px 4px rgb(103, 253, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 89.978, 139.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(103, 253, 103) }
```

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

```
.background{ background-color:rgb(103,
253, 103) }
```

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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