

Converting Colors

CIELCh(89, 91.552, 139.113)

Have a look what the booklet for
CIELCh(89, 91.552, 139.113)
contains.

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Color

CIELCh(89, 91.450, 139.099)

Conversions

Conversions Part 1

Format	Color
Hex	64FD64
RGB	100, 253, 100
RGB Percent	39%, 99%, 39%
CMY	0.6061, 0.0063, 0.6064
CMYK	0.60, 0.00, 0.60, 0.01
HSL	120°, 98%, 69%
HSV	120°, 60%, 99%
XYZ	42.8750, 74.1641, 24.2057
YIQ	189.8110, -42.0750, -80.0190

Conversions

Conversions Part 2

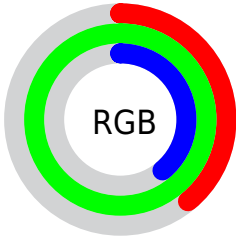
Format	Color
RYB	100, 253, 253
Decimal	6618468
CIELab	89.00, -69.12, 59.88
CIElCh	89, 91.450, 139.099
Yxy	74.1641, 0.3036, 0.5251
Android (android.graphics.Color)	4284808548 (0xFF64FD64)
YUV	189.8110, -44.2768, -78.7642
Hunter-Lab	86.1186, -61.8396, 43.6181

Details

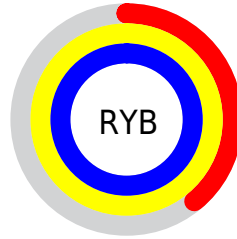
The CIELCh color **89, 91.450, 139.099** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 90.420, 327.464**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.538, 139.396**, and **69, 91.218, 138.951** is the 20% darker color. If you saturate the color by 10%, you get **88, 102.690, 137.974**, and if you desaturate by 10%, it is **90, 78.243, 140.242**.

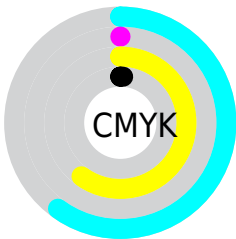
Distribution



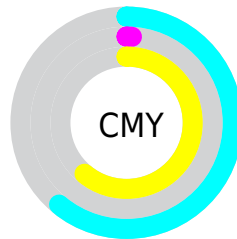
- Red (39%)
- Green (99%)
- Blue (39%)



- Red (39%)
- Yellow (99%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (60%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 91.450, 139.099 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, 91.450, 139.099 by changing the saturation by 10% instead.

 89, 91.450,
139.099

 89, 91.450,
139.099


 100, 91.450,
139.099


 79, 91.450,
139.099

 69, 91.450,
139.099

 59, 91.450,
139.099

 49, 91.450,
139.099

 39, 91.450,
139.099


 29, 91.450,
139.099


 19, 91.450,


139.099


 9, 91.450, 139.099


 0, 91.450, 139.099


 89, 91.450,
139.099


 89, 91.450,
139.099


 88, 102.690,
137.974


 90, 78.243,
140.242


 88, 111.304,
137.000


 91, 63.677,
141.313

 87, 116.760,
136.330

 93, 48.264,
142.271

 87, 119.206,
136.014

 95, 32.415,
143.105

 97, 16.449,

143.823

99, 0.602, 144.917

100, 1.001,
324.168

Harmonies

Complementary

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



89, 91.450, 139.099



67, 90.420, 327.464

Rectangle

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



89, 91.450, 139.099



89, 91.450, 189.099



89, 91.450, 319.099



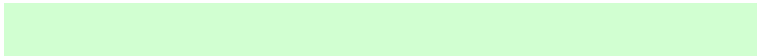
89, 91.450, 9.099

Sweetspot

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



89, 91.451, 139.100



96, 28.746, 143.286



96, 72.300, 103.751



51, 19.988, 143.064



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, 91.451, 139.100



89, 104.792, 137.800



90, 63.675, 155.875



52, 9.042, 143.882



68, 96.472, 136.014



22, 43.821, 136.769

Inverse Universe

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



67, 90.420, 327.464



64, 102.724, 327.829



64, 66.739, 349.781



50, 9.055, 324.932



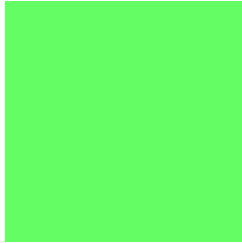
45, 93.085, 328.211



12, 42.823, 328.214

Previews

White Background



This preview shows how the CIE LCh color 89, 91.450, 139.099 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, 91.450, 139.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

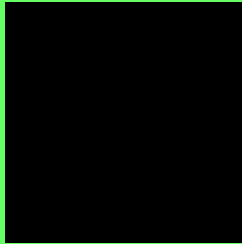
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

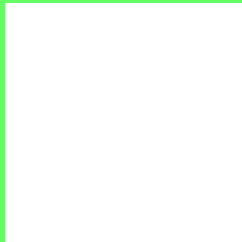
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 91.450, 139.099

Background



This preview shows how black text looks on a background with the CIELCh color 89, 91.450, 139.099.

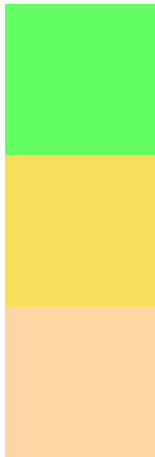


This preview shows how white text looks on a background with the CIELCh color 89, 91.450, 139.099.

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, 91.450, 139.099

Protanopia
88, 65.655, 95.377

Deuteranopia
88, 31.186, 76.951

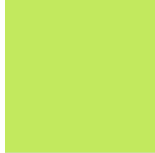


Tritanopia
89, 28.930, 216.851

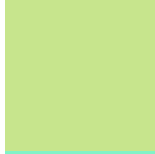
Trichromacy



Original Color
89, 91.450, 139.099



Protanomaly
87, 69.819, 117.768



Deuteranomaly
87, 46.405, 121.228

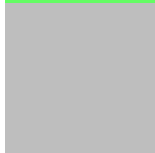


Tritanomaly
88, 44.268, 165.352

Monochromacy



Original Color
89, 91.450, 139.099



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 36.314, 142.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 91.450, 139.099 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(100, 253, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 253, 100)  
}
```

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(100, 253, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 253, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 91.450, 139.099 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(100, 253, 100) }
```

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

```
.border{ border-color:rgb(100, 253, 100) }
```

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

Here you see how a box with a 4 pixel rgb(100, 253, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 253, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 253, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 253,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 91.450, 139.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 253, 100) }
```

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

```
.background{ background-color: rgb(100,  
253, 100) }
```

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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