

Converting Colors

CIELCh(89, 91.287, 139.048)

Have a look what the booklet for
CIELCh(89, 91.287, 139.048)
contains.

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Color

CIElCh(89, 91.312, 138.993)

Conversions

Conversions Part 1

Format	Color
Hex	65FD64
RGB	101, 253, 100
RGB Percent	40%, 99%, 39%
CMY	0.6025, 0.0066, 0.6067
CMYK	0.60, 0.00, 0.60, 0.01
HSL	120°, 98%, 69%
HSV	120°, 60%, 99%
XYZ	42.9471, 74.1641, 24.1834
YIQ	190.1100, -41.4790, -79.8070

Conversions

Conversions Part 2

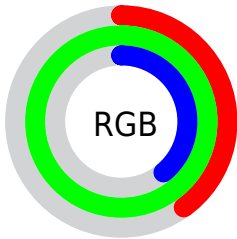
Format	Color
RYB	100, 253, 252
Decimal	6684004
CIELab	89.00, -68.91, 59.91
CIELCh	89, 91.312, 138.993
Yxy	74.1641, 0.3040, 0.5249
Android (android.graphics.Color)	4284874084 (0xFF65FD64)
YUV	190.1100, -44.4242, -78.1495
Hunter-Lab	86.1186, -61.6901, 43.6335

Details

The CIELCh color **89, 91.312, 138.993** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 90.344, 327.265**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 60.351, 139.155**, and **69, 91.218, 138.951** is the 20% darker color. If you saturate the color by 10%, you get **88, 102.561, 137.890**, and if you desaturate by 10%, it is **90, 78.111, 140.118**.

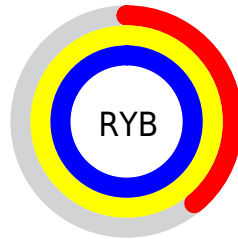
Distribution



Red (40%)

Green (99%)

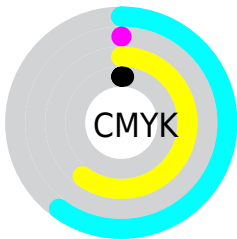
Blue (39%)



Red (39%)

Yellow (99%)

Blue (99%)

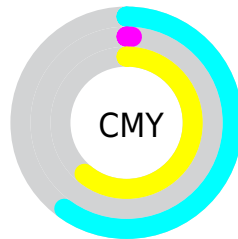


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (1%)



Cyan (60%)


Magenta (1%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 91.312, 138.993 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, 91.312, 138.993 by changing the saturation by 10% instead.


 89, 91.312,
138.993


 89, 91.312,
138.993


 100, 91.312,
138.993


 79, 91.312,
138.993

 69, 91.312,
138.993

 59, 91.312,
138.993

 49, 91.312,
138.993

 39, 91.312,
138.993


 29, 91.312,
138.993


 19, 91.312,


138.993


 9, 91.312, 138.993


 0, 91.312, 138.993


 89, 91.312,
138.993


 89, 91.312,
138.993


 88, 102.561,
137.890


 90, 78.111,
140.118


 88, 111.198,
136.941

 91, 63.563,
141.175

 87, 116.686,
136.297

 93, 48.178,
142.121

 87, 119.149,
135.997

 95, 32.364,
142.947

 97, 16.436,

143.659

99, 0.626, 144.725

100, 1.051,
324.184

Harmonies

Complementary

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



89, 91.312, 138.993



67, 90.344, 327.265

Rectangle

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



89, 91.312, 138.993



89, 91.312, 188.993



89, 91.312, 318.993



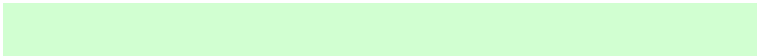
89, 91.312, 8.993

Sweetspot

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



89, 91.313, 138.994



96, 28.686, 143.127



96, 72.298, 103.750



51, 19.946, 142.907



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, 91.313, 138.994



89, 104.676, 137.721



90, 63.673, 155.873



52, 9.023, 143.718



68, 96.438, 135.989



22, 43.768, 136.681

Inverse Universe

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



67, 90.344, 327.265



64, 102.684, 327.620



64, 66.737, 349.784



50, 9.037, 324.759



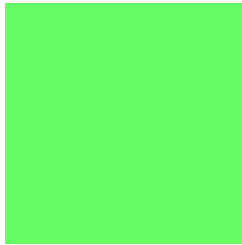
45, 93.108, 327.958



12, 42.833, 327.991

Previews

White Background



This preview shows how the CIE LCh color 89, 91.312, 138.993 looks on a white background.

Color Contrast Check

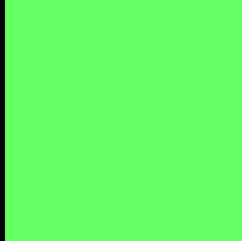
Large Text (above 18pt) WCAG AA × Fail

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, 91.312, 138.993 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

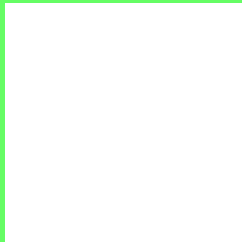
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 91.312, 138.993

Background



This preview shows how black text looks on a background with the CIELCh color 89, 91.312, 138.993.

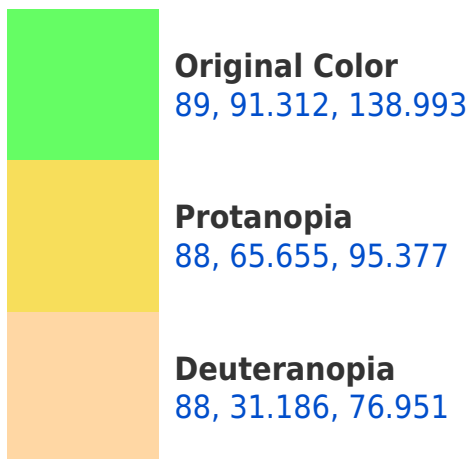


This preview shows how white text looks on a background with the CIELCh color 89, 91.312, 138.993.

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



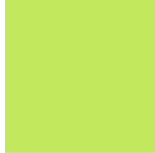


Tritanopia
89, 28.930, 216.851

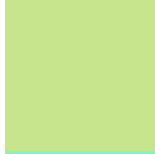
Trichromacy



Original Color
89, 91.312, 138.993



Protanomaly
87, 69.819, 117.768

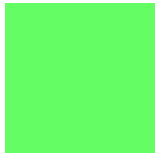


Deuteranomaly
87, 46.405, 121.228

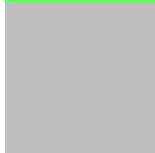


Tritanomaly
88, 44.268, 165.352

Monochromacy



Original Color
89, 91.312, 138.993



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 36.104, 142.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 91.312, 138.993 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(101, 253, 100)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 253, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 253, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 91.312, 138.993 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(101, 253, 100) }
```

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

```
.border{ border-color:rgb(101, 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(101, 253, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 253, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 253, 100);  
box-shadow:4px 4px 4px 4px rgb(101, 253,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 91.312, 138.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 253, 100) }
```

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

```
.background{ background-color: rgb(101,  
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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