

Converting Colors

CIELCh(87, 91.935, 138.933)

Have a look what the booklet for
CIELCh(87, 91.935, 138.933)
contains.

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Color

CIELCh(87, 92.072, 139.021)

Conversions

Conversions Part 1

Format	Color
Hex	5DF85E
RGB	93, 248, 94
RGB Percent	36%, 97%, 37%
CMY	0.6371, 0.0289, 0.6328
CMYK	0.63, 0.00, 0.62, 0.03
HSL	120°, 91%, 67%
HSV	120°, 63%, 97%
XYZ	39.9236, 70.0064, 21.9145
YIQ	184.0990, -42.9460, -80.7540

Conversions

Conversions Part 2

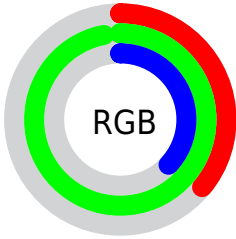
Format	Color
RYB	93, 247, 248
Decimal	6158430
CIELab	87.00, -69.51, 60.38
CIELCh	87, 92.072, 139.021
Yxy	70.0064, 0.3028, 0.5310
Android (android.graphics.Color)	4284348510 (0xFF5DF85E)
YUV	184.0990, -44.4188, -79.8938
Hunter-Lab	83.6698, -61.2497, 43.0399

Details

The CIELCh color **87, 92.072, 139.021** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **65, 90.839, 327.775**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 64.131, 139.315**, and **67, 90.831, 138.314** is the 20% darker color. If you saturate the color by 10%, you get **86, 102.620, 137.893**, and if you desaturate by 10%, it is **88, 79.497, 140.182**.

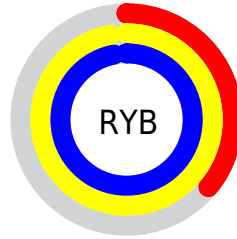
Distribution



Red (36%)

Green (97%)

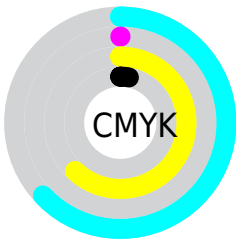
Blue (37%)



Red (36%)

Yellow (97%)

Blue (97%)

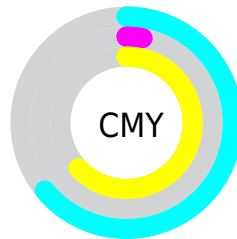


Cyan (63%)

Magenta (0%)

Yellow (62%)

Black (3%)



Cyan (64%)

Magenta (3%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 92.072, 139.021 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 87, 92.072, 139.021 by changing the saturation by 10% instead.

■ 87, 92.072,
139.021

■ 87, 92.072,
139.021

■ 100, 92.072,
139.021

■ 77, 92.072,
139.021

■ 67, 92.072,
139.021

■ 57, 92.072,
139.021

■ 47, 92.072,
139.021

■ 37, 92.072,
139.021

■ 27, 92.072,
139.021

■ 17, 92.072,

139.021

■ 7, 92.072, 139.021

■ 0, 92.072, 139.021

■ 87, 92.072,
139.021

■ 87, 92.072,
139.021

■ 86, 102.620,
137.893

■ 88, 79.497,
140.182

■ 86, 110.516,
136.936

■ 89, 65.493,
141.280

■ 86, 115.302,
136.295

■ 91, 50.570,
142.267

■ 85, 117.030,
136.056

■ 93, 35.148,
143.130

■ 95, 19.553,

143.873

 97, 4.029, 144.558

 98, 4.592, 324.534

Harmonies

Complementary

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



87, 92.072, 139.021



65, 90.839, 327.775

Rectangle

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



87, 92.072, 139.021



87, 92.072, 189.021



87, 92.072, 319.021



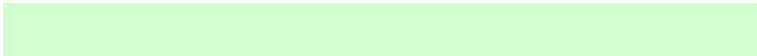
87, 92.072, 9.021

Sweetspot

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



87, 92.072, 139.022



96, 30.211, 143.410



95, 74.121, 104.390



50, 20.803, 143.188



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 92.072, 139.022



88, 107.217, 137.632



88, 63.471, 156.360



51, 8.852, 144.085



67, 95.384, 136.072



21, 42.324, 137.188

Inverse Universe

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



65, 90.839, 327.775



63, 104.680, 328.156



62, 66.912, 351.282



49, 8.865, 325.135



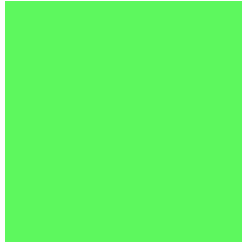
45, 91.647, 328.516



12, 41.494, 328.480

Previews

White Background



This preview shows how the CIE LCh color 87, 92.072, 139.021 looks on a white background.

Color Contrast Check

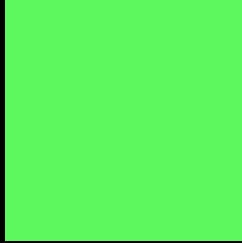
Large Text (above 18pt) WCAG AA × Fail

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 87, 92.072, 139.021 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

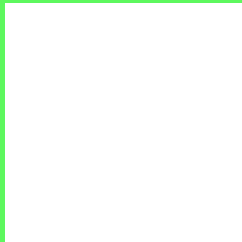
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 92.072, 139.021

Background



This preview shows how black text looks on a background with the CIELCh color 87, 92.072, 139.021.

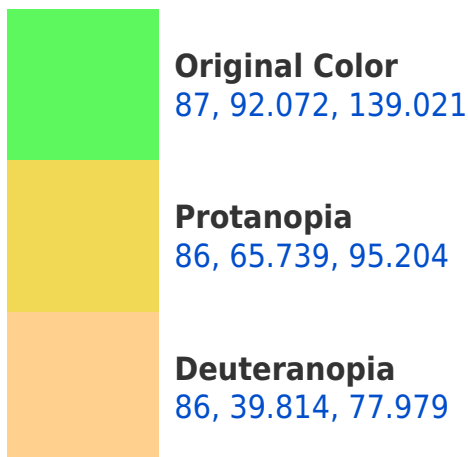


This preview shows how white text looks on a background with the CIELCh color 87, 92.072, 139.021.

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



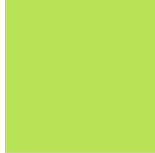


Tritanopia
87, 30.753, 216.689

Trichromacy



Original Color
87, 92.072, 139.021



Protanomaly
85, 70.004, 118.034

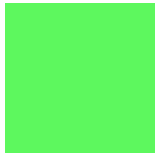


Deuteranomaly
85, 50.942, 117.816

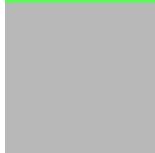


Tritanomaly
86, 45.600, 166.068

Monochromacy



Original Color
87, 92.072, 139.021



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 36.505, 142.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 92.072, 139.021 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(93, 248, 94)` looks like.

```
.text, #text, p{  
    color:rgb(93, 248, 94)  
}
```

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(93, 248, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 248, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 92.072, 139.021 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(93, 248, 94) }
```

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

```
.border{ border-color:rgb(93, 248, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 248, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 248, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 248, 94);  
box-shadow:4px 4px 4px 4px rgb(93, 248,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 92.072, 139.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 248, 94) }
```

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

```
.background{ background-color: rgb(93, 248,  
94) }
```

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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