

Converting Colors

CIELCh(89, 104.899, 134.816)

Have a look what the booklet for
CIELCh(89, 104.899, 134.816)
contains.

CIELCh(89, 104.942, 134.892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(89, 104.942, 134.892)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF3D
RGB	95, 255, 61
RGB Percent	37%, 100%, 24%
CMY	0.6283, 0.0007, 0.7615
CMYK	0.63, 0.00, 0.76, 0.00
HSL	109°, 100%, 62%
HSV	109°, 76%, 100%
XYZ	41.2381, 74.1641, 16.5286
YIQ	185.0440, -33.0860, -94.2540

Conversions

Conversions Part 2

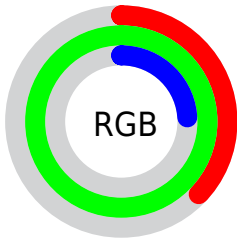
Format	Color
RYB	61, 255, 221
Decimal	6291261
CIELab	89.00, -74.07, 74.34
CIElCh	89, 104.942, 134.892
Yxy	74.1641, 0.3126, 0.5621
Android (android.graphics.Color)	4284481341 (0xFF5FFF3D)
YUV	185.0440, -61.1537, -78.9686
Hunter-Lab	86.1186, -65.2324, 48.9036

Details

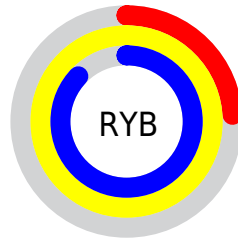
The CIELCh color **89, 104.942, 134.892** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **58, 105.787, 322.158**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 74.806, 132.857**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 112.536, 134.726**, and if you desaturate by 10%, it is **90, 94.703, 135.374**.

Distribution



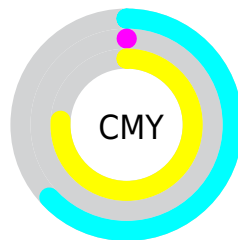
- Red (37%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 104.942, 134.892 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, 104.942, 134.892 by changing the saturation by 10% instead.


 89, 104.942,
134.892


 89, 104.942,
134.892


 100, 104.942,
134.892


 79, 104.942,
134.892

 69, 104.942,
134.892

 59, 104.942,
134.892

 49, 104.942,
134.892

 39, 104.942,
134.892

 29, 104.942,
134.892

 19, 104.942,

134.892

■ 9, 104.942,
134.892

■ 0, 104.942,
134.892

■ 89, 104.942,
134.892

■ 89, 104.942,
134.892

■ 88, 112.536,
134.726

■ 90, 94.703,
135.374

■ 88, 117.082,
134.961

■ 91, 82.471,
136.035

■ 88, 118.223,
135.091

■ 92, 68.873,
136.762

■ 93, 54.413,
137.479

■ 95, 39.472,
138.148

■ 97, 24.333,
138.749

■ 99, 9.203, 139.292

100, 0.116,
321.785

Harmonies

Complementary

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



89, 104.942, 134.892



58, 105.787, 322.158

Rectangle

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



89, 104.942, 134.892



89, 104.942, 184.892



89, 104.942, 314.892



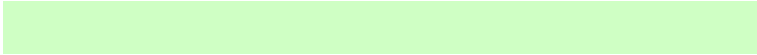
89, 104.942, 4.892

Sweetspot

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



89, 104.942, 134.893



95, 34.752, 138.344



88, 76.776, 92.229



50, 24.053, 138.117



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, 104.942, 134.893



88, 115.191, 134.790



89, 88.872, 145.934



52, 8.551, 139.113



68, 95.091, 134.950



23, 42.450, 134.349

Inverse Universe

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



58, 105.787, 322.158



54, 114.990, 321.862



60, 85.669, 342.166



50, 8.594, 319.964



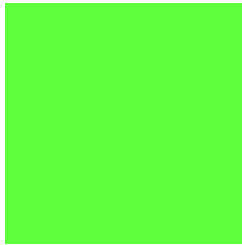
40, 94.531, 321.572



10, 43.370, 322.335

Previews

White Background



This preview shows how the CIELCh color 89, 104.942, 134.892 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, 104.942, 134.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

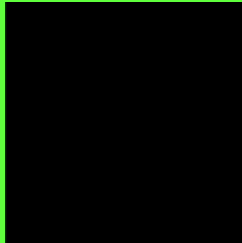
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 104.942, 134.892

Background



This preview shows how black text looks on a background with the CIELCh color 89, 104.942, 134.892.

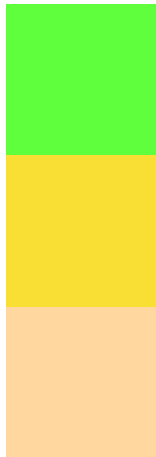


This preview shows how white text looks on a background with the CIELCh color 89, 104.942, 134.892.

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, 104.942, 134.892

Protanopia

88, 79.635, 95.123

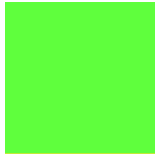
Deuteranopia

88, 33.473, 78.850



Tritanopia
89, 29.157, 216.685

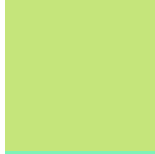
Trichromacy



Original Color
89, 104.942, 134.892



Protanomaly
87, 83.889, 115.192

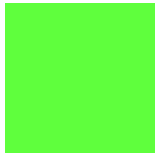


Deuteranomaly
87, 54.985, 119.235

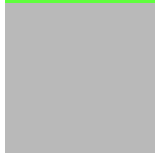


Tritanomaly
88, 50.103, 158.524

Monochromacy



Original Color
89, 104.942, 134.892



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 43.012, 137.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 104.942, 134.892 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(95, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 61)  
}
```

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(95, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 104.942, 134.892 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(95, 255, 61) }
```

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

```
.border{ border-color:rgb(95, 255, 61) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 104.942, 134.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 61) }
```

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

```
.background{ background-color: rgb(95, 255,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor