

Converting Colors

CIELCh(89, 74.254, 131.980)

Have a look what the booklet for
CIELCh(89, 74.254, 131.980)
contains.

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Color

CIELCh(89, 74.431, 131.904)

Conversions

Conversions Part 1

Format	Color
Hex	9DF670
RGB	157, 246, 112
RGB Percent	62%, 96%, 44%
CMY	0.3848, 0.0357, 0.5612
CMYK	0.36, 0.00, 0.54, 0.04
HSL	100°, 88%, 70%
HSV	100°, 54%, 96%
XYZ	49.7209, 74.1641, 26.9919
YIQ	204.1130, -10.0300, -60.5420

Conversions

Conversions Part 2

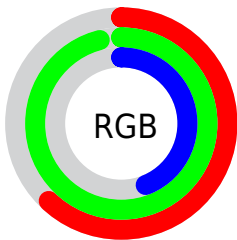
Format	Color
RYB	112, 246, 201
Decimal	10352240
CIELab	89.00, -49.71, 55.40
CIElCh	89, 74.431, 131.904
Yxy	74.1641, 0.3295, 0.4916
Android (android.graphics.Color)	4288542320 (0xFF9DF670)
YUV	204.1130, -45.4117, -41.3181
Hunter-Lab	86.1186, -47.6499, 41.6999

Details

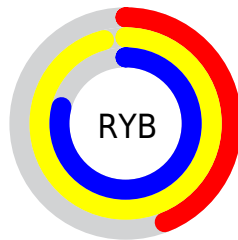
The CIELCh color **89, 74.431, 131.904** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62, 77.941, 316.865**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 46.775, 125.786**, and **69, 74.367, 131.838** is the 20% darker color. If you saturate the color by 10%, you get **88, 86.222, 131.520**, and if you desaturate by 10%, it is **90, 61.578, 132.402**.

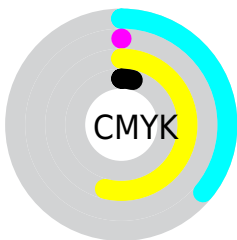
Distribution



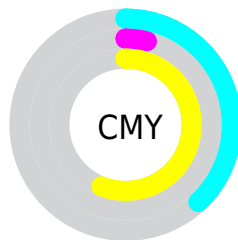
- Red (62%)
- Green (96%)
- Blue (44%)



- Red (44%)
- Yellow (96%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)



- Cyan (38%)
- Magenta (4%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 74.431, 131.904 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, 74.431, 131.904 by changing the saturation by 10% instead.

 89, 74.431,
131.904


 89, 74.431,
131.904

 100, 74.431,
131.904

 79, 74.431,
131.904

 69, 74.431,
131.904

 59, 74.431,
131.904

 49, 74.431,
131.904

 39, 74.431,
131.904

 29, 74.431,
131.904


 19, 74.431,


131.904


 9, 74.431, 131.904


 0, 74.431, 131.904


 89, 74.431,
131.904


 89, 74.431,
131.904

 88, 86.222,
131.520


 90, 61.578,
132.402


 87, 96.404,
131.359


 91, 48.075,
132.937

 87, 104.364,
131.555

 93, 34.220,
133.466

 86, 109.657,
132.207

 94, 20.225,
133.964

 86, 111.623,

 96, 6.240, 134.436

132.693

 98, 5.650, 324.236

 98, 5.674, 324.585

Harmonies

Complementary

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



89, 74.431, 131.904



62, 77.941, 316.865

Rectangle

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



89, 74.431, 131.904



89, 74.431, 181.904



89, 74.431, 311.904



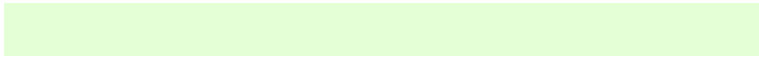
89, 74.431, 1.904

Sweetspot

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



89, 74.432, 131.905



97, 23.005, 133.889



83, 49.862, 82.373



51, 15.538, 133.788



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, 74.432, 131.905



91, 89.349, 131.502



87, 74.152, 143.849



50, 7.888, 134.200



67, 90.324, 132.459



21, 38.242, 131.599

Inverse Universe

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



62, 77.941, 316.865



59, 94.139, 317.120



67, 73.483, 332.261



48, 7.961, 314.973



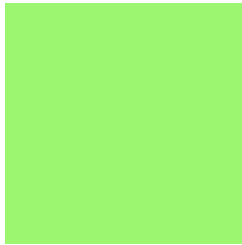
34, 95.177, 316.254



7, 41.631, 317.461

Previews

White Background



This preview shows how the CIELCh color 89, 74.431, 131.904 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 CIE LCh color 89, 74.431, 131.904 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

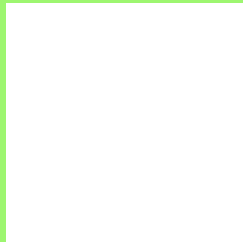
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 74.431, 131.904

Background



This preview shows how black text looks on a background with the CIELCh color 89, 74.431, 131.904.

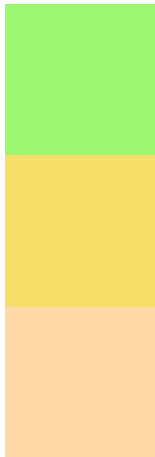


This preview shows how white text looks on a background with the CIELCh color 89, 74.431, 131.904.

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, 74.431, 131.904

Protanopia
89, 60.342, 95.907

Deuteranopia
89, 30.029, 76.762

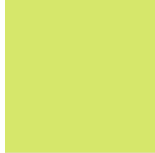


Tritanopia
89, 19.106, 229.899

Trichromacy



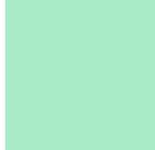
Original Color
89, 74.431, 131.904



Protanomaly
88, 61.881, 111.587



Deuteranomaly
88, 40.998, 111.229

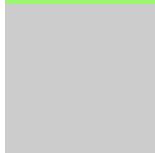


Tritanomaly
88, 29.742, 158.412

Monochromacy



Original Color
89, 74.431, 131.904



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 27.895, 133.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 74.431, 131.904 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(157, 246, 112)` looks like.

```
.text, #text, p{  
    color:rgb(157, 246, 112)  
}
```

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(157, 246, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 246, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 74.431, 131.904 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(157, 246, 112) }
```

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

```
.border{ border-color:rgb(157, 246, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 246, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 246, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 246, 112);  
box-shadow:4px 4px 4px 4px rgb(157, 246,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 74.431, 131.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 246, 112) }
```

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

```
.background{ background-color: rgb(157,  
246, 112) }
```

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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