

Converting Colors

CIELCh(88, 78.999, 130.056)

Have a look what the booklet for
CIELCh(88, 78.999, 130.056)
contains.

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Color

CIELCh(88, 78.760, 130.188)

Conversions

Conversions Part 1

Format	Color
Hex	9AF362
RGB	154, 243, 98
RGB Percent	60%, 95%, 38%
CMY	0.3949, 0.0459, 0.6146
CMYK	0.37, 0.00, 0.60, 0.05
HSL	97°, 86%, 67%
HSV	97°, 60%, 95%
XYZ	47.7401, 72.0653, 23.0185
YIQ	199.8590, -6.4990, -63.9630

Conversions

Conversions Part 2

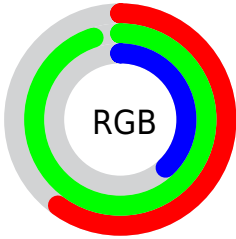
Format	Color
RYB	98, 243, 187
Decimal	10154850
CIELab	88.00, -50.82, 60.17
CIElCh	88, 78.760, 130.188
Yxy	72.0653, 0.3343, 0.5046
Android (android.graphics.Color)	4288344930 (0xFF9AF362)
YUV	199.8590, -50.2165, -40.2183
Hunter-Lab	84.8913, -48.1771, 43.3472

Details

The CIELCh color **88, 78.760, 130.188** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **58, 83.769, 315.472**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 53.441, 123.911**, and **68, 78.741, 130.190** is the 20% darker color. If you saturate the color by 10%, you get **87, 89.574, 129.971**, and if you desaturate by 10%, it is **89, 66.669, 130.586**.

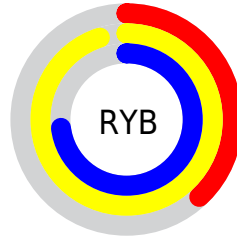
Distribution



Red (60%)

Green (95%)

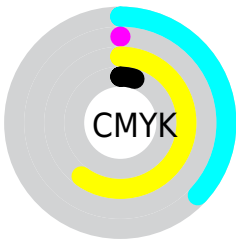
Blue (38%)



Red (38%)

Yellow (95%)

Blue (73%)

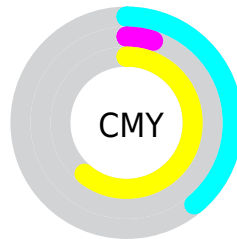


Cyan (37%)

Magenta (0%)

Yellow (60%)

Black (5%)



Cyan (39%)

Magenta (5%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 78.760, 130.188 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 88, 78.760, 130.188 by changing the saturation by 10% instead.

 88, 78.760,
130.188

 88, 78.760,
130.188

 100, 78.760,
130.188

 78, 78.760,
130.188

 68, 78.760,
130.188

 58, 78.760,
130.188

 48, 78.760,
130.188

 38, 78.760,
130.188


 28, 78.760,
130.188

 18, 78.760,


130.188


 8, 78.760, 130.188


 0, 78.760, 130.188


 88, 78.760,
130.188


 88, 78.760,
130.188


 87, 89.574,
129.971


 89, 66.669,
130.586


 86, 98.527,
130.060


 90, 53.763,
131.069


 86, 105.066,
130.581

 91, 40.383,
131.577

 85, 109.139,
131.529

 93, 26.768,
132.075

 85, 109.278,

 94, 13.084,

131.566

132.546

 96, 0.548, 312.630

 97, 7.287, 324.653

Harmonies

Complementary

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



88, 78.760, 130.188



58, 83.769, 315.472

Rectangle

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



88, 78.760, 130.188



88, 78.760, 180.188



88, 78.760, 310.188



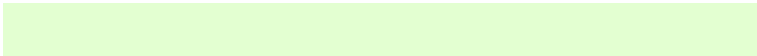
88, 78.760, 0.188

Sweetspot

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



88, 78.761, 130.189



97, 25.527, 132.150



79, 52.804, 77.212



51, 17.742, 132.009



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 78.761, 130.189



91, 95.417, 129.959



86, 82.280, 141.746



50, 7.781, 132.552



67, 89.136, 131.319



21, 37.720, 130.299

Inverse Universe

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



58, 83.769, 315.472



54, 102.457, 315.690



65, 81.049, 330.728



48, 7.863, 313.326



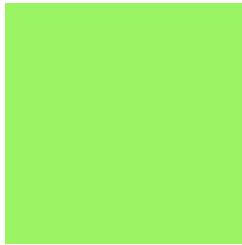
32, 96.150, 314.785



6, 41.652, 315.905

Previews

White Background



This preview shows how the CIE LCh color 88, 78.760, 130.188 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 88, 78.760, 130.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

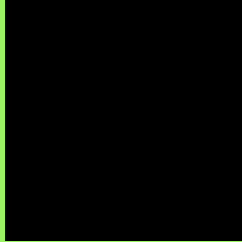
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

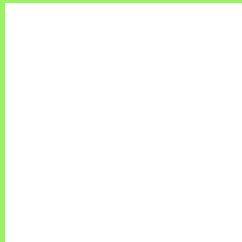
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 78.760, 130.188

Background



This preview shows how black text looks on a background with the CIELCh color 88, 78.760, 130.188.

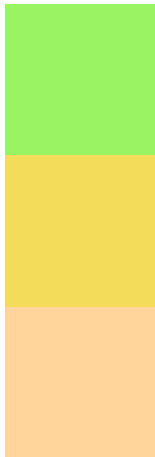


This preview shows how white text looks on a background with the CIELCh color 88, 78.760, 130.188.

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
88, 78.760, 130.188

Protanopia
88, 64.777, 95.654

Deuteranopia
88, 34.423, 77.975



Tritanopia
88, 18.661, 228.933

Trichromacy



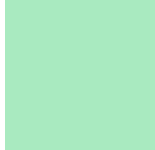
Original Color
88, 78.760, 130.188



Protanomaly
87, 66.207, 110.817



Deuteranomaly
87, 45.430, 109.413

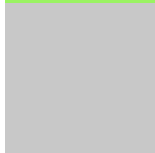


Tritanomaly
88, 32.008, 154.235

Monochromacy



Original Color
88, 78.760, 130.188



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 30.494, 132.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 78.760, 130.188 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(154, 243, 98)` looks like.

```
.text, #text, p{  
    color:rgb(154, 243, 98)  
}
```

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(154, 243, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 243, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 78.760, 130.188 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(154, 243, 98) }
```

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

```
.border{ border-color:rgb(154, 243, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 243, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 243, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 243, 98);  
box-shadow:4px 4px 4px 4px rgb(154, 243,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 78.760, 130.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 243, 98) }
```

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

```
.background{ background-color: rgb(154,  
243, 98) }
```

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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