

Converting Colors

CIELCh(88, 93.422, 124.670)

Have a look what the booklet for
CIELCh(88, 93.422, 124.670)
contains.

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Color

CIELCh(88, 93.475, 124.800)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9DF434 |
| RGB | 157, 244, 52 |
| RGB Percent | 62%, 96%, 20% |
| CMY | 0.3846, 0.0434, 0.7964 |
| CMYK | 0.36, 0.00, 0.79, 0.04 |
| HSL | 87°, 90%, 58% |
| HSV | 87°, 79%, 96% |
| XYZ | 46.8364, 72.0653, 14.6798 |
| YIQ | 196.0990, 9.7800, -78.1560 |

Conversions

Conversions Part 2

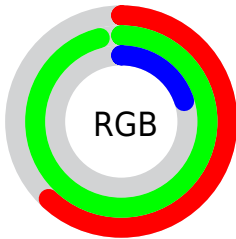
| Format | Color |
|-------------------------------------|--|
| RYB | 52, 244, 139 |
| Decimal | 10351668 |
| CIELab | 88.00, -53.35, 76.76 |
| CIELCh | 88, 93.475, 124.800 |
| Yxy | 72.0653, 0.3506, 0.5395 |
| Android (android.graphics.Color) | 4288541748 (0xFF9DF434) |
| YUV | 196.0990, -71.0408, -34.2898 |
| Hunter-Lab | 84.8913, -50.0773, 49.1712 |

Details

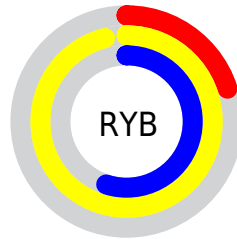
The CIELCh color **88, 93.475, 124.800** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **45, 107.316, 311.398**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 70.118, 117.437**, and **68, 85.895, 127.425** is the 20% darker color. If you saturate the color by 10%, you get **87, 99.819, 125.431**, and if you desaturate by 10%, it is **89, 84.827, 124.618**.

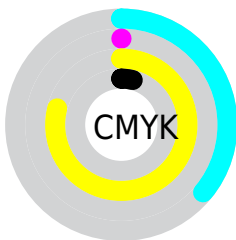
Distribution



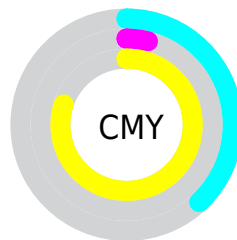
- Red (62%)
- Green (96%)
- Blue (20%)



- Red (20%)
- Yellow (96%)
- Blue (55%)



- Cyan (36%)
- Magenta (0%)
- Yellow (79%)
- Black (4%)





- Cyan (38%)
- Magenta (4%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 93.475, 124.800 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, 93.475, 124.800 by changing the saturation by 10% instead.


 88, 93.475,
124.800


 88, 93.475,
124.800


 100, 93.475,
124.800

 78, 93.475,
124.800

 68, 93.475,
124.800

 58, 93.475,
124.800

 48, 93.475,
124.800

 38, 93.475,
124.800


 28, 93.475,
124.800


 18, 93.475,


124.800

 8, 93.475, 124.800


 0, 93.475, 124.800


 88, 93.475,
124.800


 88, 93.475,
124.800


 87, 99.819,
125.431


 89, 84.827,
124.618

 87, 103.728,
126.544

 89, 74.422,
124.755

 87, 104.150,
126.696


 90, 62.819,
125.090

 91, 50.457,
125.534

 92, 37.644,

126.026

 94, 24.591,
126.529

 95, 11.444,
127.022

 96, 1.696, 307.402

 97, 6.893, 324.637

Harmonies

Complementary

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



88, 93.475, 124.800



45, 107.316, 311.398

Rectangle

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



88, 93.475, 124.800



88, 93.475, 174.800



88, 93.475, 304.800



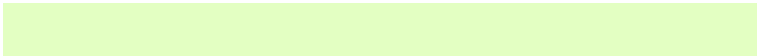
88, 93.475, 354.800

Sweetspot

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



88, 93.475, 124.801



97, 32.662, 126.261



68, 69.576, 60.587



51, 22.415, 126.081



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, 93.475, 124.801



91, 105.716, 125.997



85, 106.043, 136.631



51, 7.486, 126.984



68, 84.811, 126.417



22, 35.993, 125.130

Inverse Universe

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



45, 107.316, 311.398



41, 123.594, 311.048



59, 104.077, 326.300



47, 7.599, 307.856



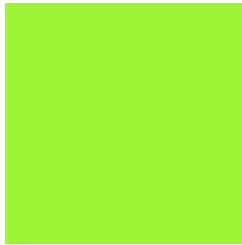
28, 99.502, 310.879



5, 41.362, 311.010

Previews

White Background



This preview shows how the CIELCh color 88, 93.475, 124.800 looks on a white background.

Color Contrast Check

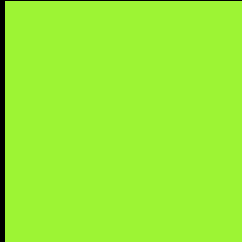
Large Text (above 18pt) WCAG AA × Fail

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 88, 93.475, 124.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

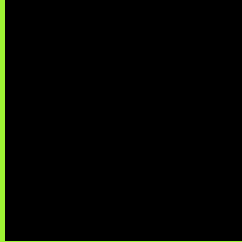
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 93.475, 124.800

Background



This preview shows how black text looks on a background with the CIELCh color 88, 93.475, 124.800.

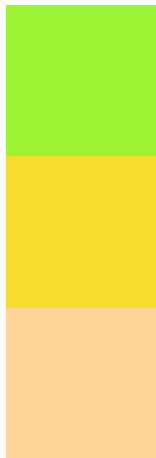


This preview shows how white text looks on a background with the CIELCh color 88, 93.475, 124.800.

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, 93.475, 124.800

Protanopia
88, 80.583, 95.076

Deuteranopia
88, 36.725, 79.594

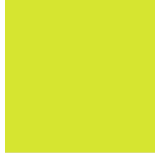


Tritanopia
88, 17.146, 232.059

Trichromacy



Original Color
88, 93.475, 124.800



Protanomaly
87, 82.403, 107.831



Deuteranomaly
87, 54.903, 107.698

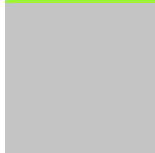


Tritanomaly
87, 37.403, 143.580

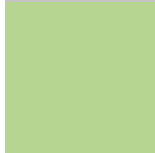
Monochromacy



Original Color
88, 93.475, 124.800



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 37.947, 125.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 93.475, 124.800 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, 244, 52)` looks like.

```
.text, #text, p{  
    color:rgb(157, 244, 52)  
}
```

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, 244, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 244, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 93.475, 124.800 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, 244, 52) }
```

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

```
.border{ border-color:rgb(157, 244, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 244, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 244, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 244, 52);  
box-shadow:4px 4px 4px 4px rgb(157, 244,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 93.475, 124.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 244, 52) }
```

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

```
.background{ background-color: rgb(157,  
244, 52) }
```

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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