

Converting Colors

XYZ(69.5783, 88.4569, 35.9610)

Have a look what the booklet for
XYZ(69.5783, 88.4569, 35.9610)
contains.

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Color

**XYZ(69.5783, 88.4569,
35.9610)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF86
RGB	220, 255, 134
RGB Percent	86%, 100%, 53%
CMY	0.1373, 0.0000, 0.4745
CMYK	0.14, 0.00, 0.47, 0.00
HSL	77°, 100%, 76%
HSV	77°, 47%, 100%
XYZ	69.5783, 88.4569, 35.9610
YIQ	230.7410, 17.9810, -45.0510

Conversions

Conversions Part 2

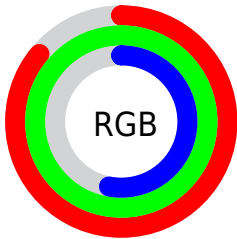
Format	Color
RYB	134, 255, 169
Decimal	14483334
CIELab	95.35, -29.34, 53.74
CIElCh	95, 61.231, 118.636
Yxy	88.4569, 0.3587, 0.4560
Android (android.graphics.Color)	4292673414 (0xFFDCFF86)
YUV	230.7410, -47.6933, -9.4199
Hunter-Lab	94.0515, -32.5378, 43.1663

Details

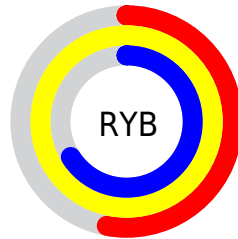
The XYZ color **69.5783, 88.4569, 35.9610** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.9385, 32.7065, 98.6576**, and the grayscale version is **76.0964, 80.0594, 87.1846**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **36.7835, 48.7688, 15.2592** is the 20% darker color. If you saturate the color by 10%, you get **65.8252, 86.7034, 27.5943**, and if you desaturate by 10%, it is **73.8592, 90.4329, 46.5929**.

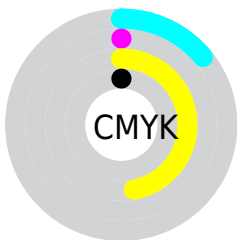
Distribution



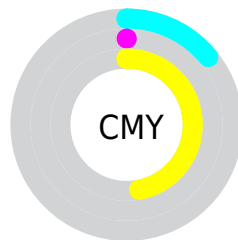
- Red (86%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (66%)



- Cyan (14%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5783, 88.4569, 35.9610 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 XYZ color 69.5783, 88.4569, 35.9610 by changing the saturation by 10% instead.


 69.5783, 88.4569,
35.9610

 69.5783, 88.4569,
35.9610


448.3575,
522.9983, 343.8223

 51.4612, 66.7015,
24.1146


 117.6367,
145.1931, 70.1402

 36.7983, 48.8421,
15.2057


 148.3088,
180.9427, 93.3102

 25.2243, 34.4942,
8.8156


 183.8965,
222.1258, 121.0917

 16.3739, 23.2735,
4.5260

224.7652,
269.1269, 153.9034

 9.8816, 14.7956,
1.9181

271.2803,
322.3303, 192.1637

 5.3822, 8.6761,
0.5042

323.8071,

 2.5103, 4.5305,

382.1204, 236.2913

0.0000

382.7111,
448.8816, 286.7047

■ 0.9004, 1.9745,
0.0000

■ 0.0000, 0.5926,
0.0000

■ 69.5783, 88.4569,
35.9610

■ 69.5783, 88.4569,
35.9610

■ 65.8252, 86.7034,
27.5943

■ 73.8592, 90.4329,
46.5929

■ 62.5666, 85.1589,
21.3240

■ 78.6966, 92.6430,
59.6350

■ 59.7659, 83.8087,
16.9638

■ 84.1178, 95.0983,
75.2245

■ 57.3798, 82.6353,
14.2927

■ 90.1480, 97.8090,
93.4872

■ 55.3523, 81.6161, 95.0500, 100.0000,
13.0229 108.9000

■ 54.8718, 81.3725,
12.8144

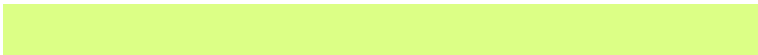
Harmonies

Analogous

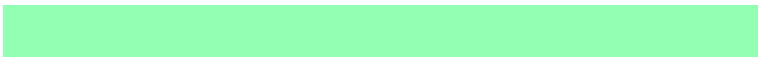
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8438, 88.4569, 30.4392



69.5783, 88.4569, 35.9610



59.4843, 88.4569, 55.8725

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5783, 88.4569, 35.9610



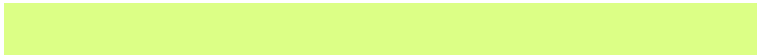
68.4157, 88.4569, 198.3773



120.5210, 88.4569, 98.5244

Complementary

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



69.5783, 88.4569, 35.9610



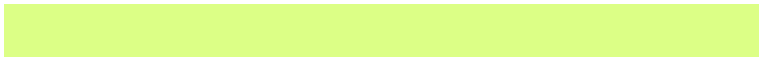
42.9385, 32.7065, 98.6576

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.6530, 88.4569, 152.6799



69.5783, 88.4569, 35.9610



83.3121, 88.4569, 220.9383

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5783, 88.4569, 35.9610



58.8783, 88.4569, 147.5733



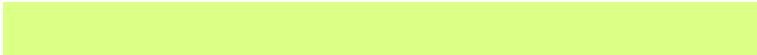
100.4586, 88.4569, 201.9489



115.5973, 88.4569, 58.5566

Rectangle

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



69.5783, 88.4569, 35.9610



56.3101, 88.4569, 79.2740



100.4586, 88.4569, 201.9489



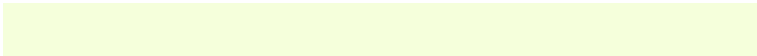
119.7323, 88.4569, 115.6372

Sweetspot

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



69.5785, 88.4570, 35.9622



86.1280, 96.0040, 81.2163



59.5988, 51.0922, 29.2761



18.1640, 20.4268, 16.5734



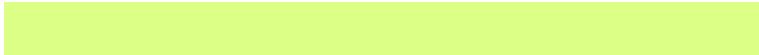
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

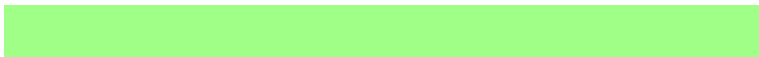
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5785, 88.4570, 35.9622



65.9831, 86.7776, 27.9242



54.6044, 80.7375, 35.2615



19.0193, 20.8114, 19.1589



28.8270, 42.5990, 6.7031



2.9152, 4.2036, 0.6577

Inverse Universe

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



42.9385, 32.7065, 98.6576



36.4800, 24.9424, 97.4994



58.8198, 40.8937, 99.4009



17.4966, 17.6322, 22.7311



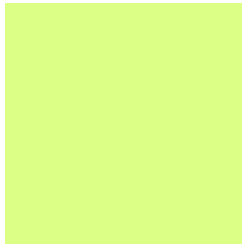
11.0248, 4.5939, 49.7402



1.1761, 0.5002, 4.8478

Previews

White Background



This preview shows how the XYZ color 69.5783, 88.4569, 35.9610 looks on a white background.

Color Contrast Check

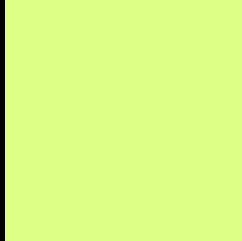
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 69.5783, 88.4569, 35.9610 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

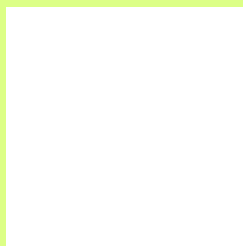
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5783, 88.4569, 35.9610

Background



This preview shows how black text looks on a background with the XYZ color 69.5783, 88.4569, 35.9610.



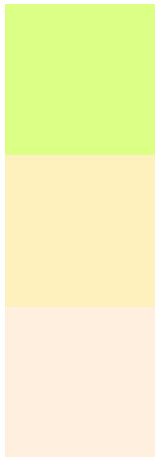
This preview shows how white text looks on a background with the XYZ color 69.5783, 88.4569,

35.9610.

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

69.5783, 88.4569, 35.9610

Protanopia

81.8806, 87.8447, 60.7843

Deuteranopia

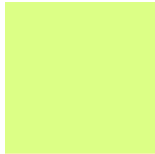
85.2913, 88.2669, 81.6491



Tritanopia

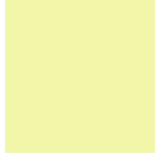
84.4303, 88.1351, 107.1696

Trichromacy



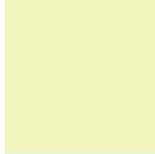
Original Color

69.5783, 88.4569, 35.9610



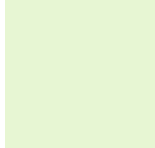
Protanomaly

76.7351, 87.6534, 50.4105



Deuteranomaly

78.5646, 87.8998, 61.5408



Tritanomaly

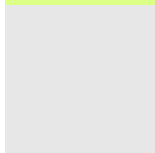
77.6686, 87.6036, 74.4436

Monochromacy



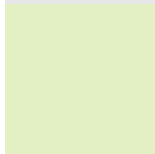
Original Color

69.5783, 88.4569, 35.9610



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8024, 82.6366, 64.3379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5783, 88.4569, 35.9610 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(220, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 134)  
}
```

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(220, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 69.5783, 88.4569, 35.9610 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(220, 255, 134) }
```


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

```
.border{ border-color:rgb(220, 255, 134) }
```

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

Here you see how a box with a 4 pixel rgb(220, 255, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5783, 88.4569, 35.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 134) }
```

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

```
.background{ background-color: rgb(220,  
255, 134) }
```

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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