

Converting Colors

XYZ(70.4751, 88.9099, 36.4240)

Have a look what the booklet for
XYZ(70.4751, 88.9099, 36.4240)
contains.

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Color

**XYZ(70.5646, 88.9572,
36.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF87
RGB	223, 255, 135
RGB Percent	87%, 100%, 53%
CMY	0.1255, 0.0000, 0.4706
CMYK	0.13, 0.00, 0.47, 0.00
HSL	76°, 100%, 76%
HSV	76°, 47%, 100%
XYZ	70.5646, 88.9572, 36.3730
YIQ	231.7520, 19.4480, -44.1040

Conversions

Conversions Part 2

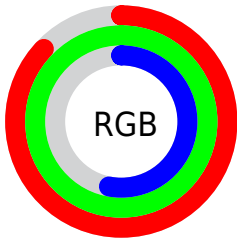
Format	Color
RYB	135, 255, 167
Decimal	14679943
CIELab	95.56, -28.13, 53.58
CIELCh	96, 60.512, 117.700
Yxy	88.9572, 0.3602, 0.4541
Android (android.graphics.Color)	4292870023 (0xFFDFFF87)
YUV	231.7520, -47.6987, -7.6755
Hunter-Lab	94.3171, -31.5078, 43.1570

Details

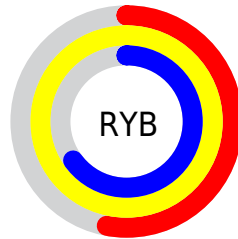
The XYZ color **70.5646, 88.9572, 36.3730** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.6515, 32.7648, 98.6840**, and the grayscale version is **76.8508, 80.8531, 88.0490**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **37.4430, 49.1044, 15.4873** is the 20% darker color. If you saturate the color by 10%, you get **66.9255, 87.2644, 27.9269**, and if you desaturate by 10%, it is **74.7183, 90.8657, 47.0898**.

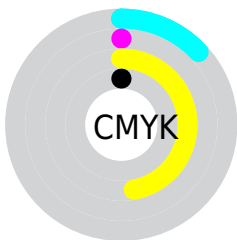
Distribution



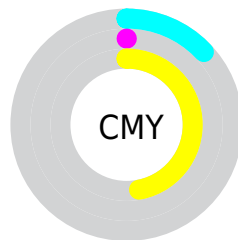
- Red (87%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5646, 88.9572, 36.3730 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 70.5646, 88.9572, 36.3730 by changing the saturation by 10% instead.


 70.5646, 88.9572,
36.3730

 70.5646, 88.9572,
36.3730


451.7655,
524.6328, 345.6745

 52.2682, 67.1161,
24.4304


 119.0354,
145.8890, 70.7829

 37.4440, 49.1790,
15.4381


 149.9406,
181.7486, 94.0873

 25.7267, 34.7615,
8.9774

 185.7794,
223.0497, 122.0161

 16.7509, 23.4792,
4.6298

226.9172,
270.1768, 154.9878

 10.1513, 14.9477,
1.9768

273.7194,
323.5142, 193.4210

 5.5624, 8.7827,
0.5410

326.5512,

 2.6190, 4.5997,

383.4464, 237.7341

0.0000

385.7782,
450.3578, 288.3458

■ 0.9556, 2.0144,
0.0000

■ 0.0000, 0.6158,
0.0000

■ 70.5646, 88.9572,
36.3730

■ 70.5646, 88.9572,
36.3730

■ 66.9255, 87.2644,
27.9269

■ 74.7183, 90.8657,
47.0898

■ 63.7681, 85.7738,
21.5833

■ 79.4151, 93.0011,
60.2217

■ 61.0562, 84.4710,
17.1570

■ 84.6817, 95.3745,
75.9053

■ 58.7473, 83.3387,
14.4288

■ 90.5429, 97.9957,
94.2663

■ 56.7871, 82.3551, 95.0500, 100.0000,
13.1186 108.9000

■ 56.2531, 82.0846,
12.8791

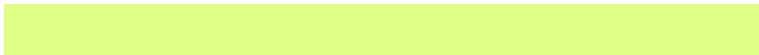
Harmonies

Analogous

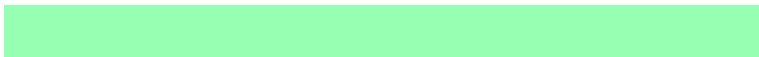
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8384, 88.9572, 31.2223



70.5646, 88.9572, 36.3730



60.3390, 88.9572, 55.7635

Triad

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



70.5646, 88.9572, 36.3730



68.6164, 88.9572, 196.4969



120.6229, 88.9572, 100.5739

Complementary

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



70.5646, 88.9572, 36.3730



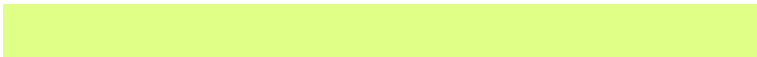
42.6515, 32.7648, 98.6840

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.



114.5029, 88.9572, 154.3777



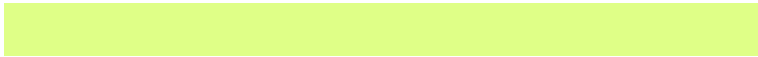
70.5646, 88.9572, 36.3730



83.2768, 88.9572, 219.9205

Square

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



70.5646, 88.9572, 36.3730



59.3219, 88.9572, 145.8700



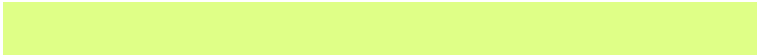
100.2736, 88.9572, 202.4340



116.0778, 88.9572, 60.2769

Rectangle

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



70.5646, 88.9572, 36.3730



57.0418, 88.9572, 78.6617



100.2736, 88.9572, 202.4340



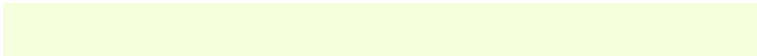
119.7292, 88.9572, 117.6670

Sweetspot

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



70.5648, 88.9573, 36.3743



86.4095, 96.1492, 81.2295



59.4326, 50.6477, 29.5665



18.2330, 20.4623, 16.5767



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

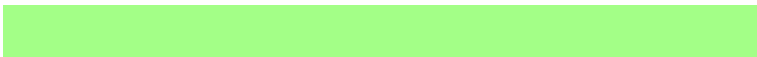
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5648, 88.9573, 36.3743



67.2870, 87.4336, 28.7177



55.2382, 81.0562, 35.6570



19.0609, 20.8328, 19.1609



29.5425, 42.9678, 6.7366



2.9801, 4.2371, 0.6608

Inverse Universe

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



42.6515, 32.7648, 98.6840



36.4957, 25.3633, 97.5798



58.3933, 40.8799, 99.4207



17.4573, 17.6120, 22.7293



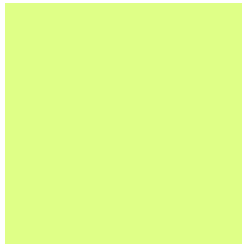
10.7968, 4.4764, 49.7296



1.1495, 0.4865, 4.8466

Previews

White Background



This preview shows how the XYZ color 70.5646, 88.9572, 36.3730 looks on a white background.

Color Contrast Check

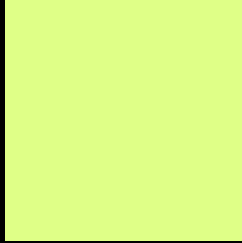
Large Text (above 18pt) WCAG AA × Fail

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 70.5646, 88.9572, 36.3730 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

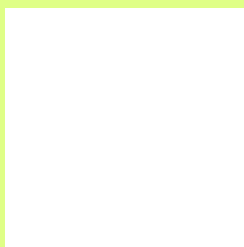
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5646, 88.9572, 36.3730

Background



This preview shows how black text looks on a background with the XYZ color 70.5646, 88.9572, 36.3730.

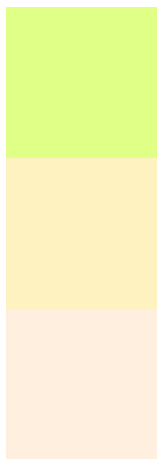


This preview shows how white text looks on a background with the XYZ color 70.5646, 88.9572,

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

70.5646, 88.9572, 36.3730

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

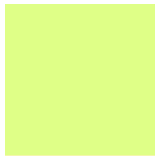
85.4258, 88.3207, 82.3572



Tritanopia

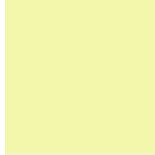
85.1019, 88.4813, 107.2010

Trichromacy



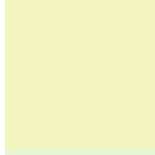
Original Color

70.5646, 88.9572, 36.3730



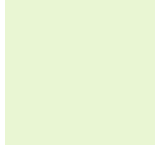
Protanomaly

77.6693, 88.5548, 52.0289



Deuteranomaly

79.0185, 88.1211, 62.1346



Tritanomaly

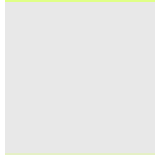
78.3179, 87.9383, 74.4740

Monochromacy



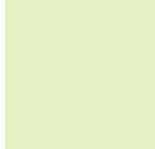
Original Color

70.5646, 88.9572, 36.3730



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.5512, 83.0094, 64.9692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5646, 88.9572, 36.3730 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(223, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 135)  
}
```

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(223, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 70.5646, 88.9572, 36.3730 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(223, 255, 135) }
```


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

```
.border{ border-color:rgb(223, 255, 135) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5646, 88.9572, 36.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 135) }
```

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

```
.background{ background-color: rgb(223,  
255, 135) }
```

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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