

Converting Colors

XYZ(70.7163, 88.8762, 43.5732)

Have a look what the booklet for
XYZ(70.7163, 88.8762, 43.5732)
contains.

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Color

**XYZ(70.7232, 88.8800,
43.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFF99
RGB	219, 255, 153
RGB Percent	86%, 100%, 60%
CMY	0.1412, 0.0000, 0.4000
CMYK	0.14, 0.00, 0.40, 0.00
HSL	81°, 100%, 80%
HSV	81°, 40%, 100%
XYZ	70.7232, 88.8800, 43.5650
YIQ	232.6080, 11.2860, -39.3540

Conversions

Conversions Part 2

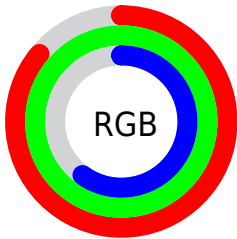
Format	Color
RYB	153, 255, 189
Decimal	14417817
CIELab	95.53, -27.65, 44.92
CIELCh	96, 52.747, 121.615
Yxy	88.8800, 0.3481, 0.4375
Android (android.graphics.Color)	4292607897 (0xFFDBFF99)
YUV	232.6080, -39.2467, -11.9342
Hunter-Lab	94.2762, -31.0779, 38.5954

Details

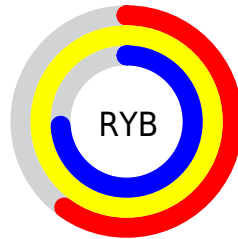
The XYZ color **70.7232, 88.8800, 43.5650** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4286, 40.8225, 99.8294**, and the grayscale version is **77.4364, 81.4691, 88.7199**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.5986, 49.0948, 19.5512** is the 20% darker color. If you saturate the color by 10%, you get **66.2020, 86.7671, 33.5094**, and if you desaturate by 10%, it is **75.8415, 91.2486, 56.0001**.

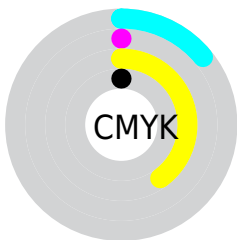
Distribution



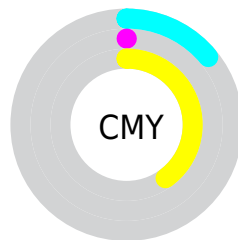
- Red (86%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (74%)



- Cyan (14%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7232, 88.8800, 43.5650 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 70.7232, 88.8800, 43.5650 by changing the saturation by 10% instead.


 70.7232, 88.8800,
43.5650


 70.7232, 88.8800,
43.5650


452.3121,
524.3808, 376.9195

 52.3981, 67.0521,
29.9940


 119.2602,
145.7817, 81.8583

 37.5480, 49.1270,
19.5820


 150.2027,
181.6243, 107.4176

 25.8077, 34.7202,
11.9105


186.0818,
222.9072, 137.8101

 16.8118, 23.4474,
6.5610

227.2627,
270.0148, 173.4544

 10.1948, 14.9242,
3.1148

274.1108,
323.3316, 214.7689

 5.5916, 8.7662,
1.1536

326.9915,

 2.6367, 4.5890,

383.2420, 262.1722

0.0000

386.2702,
450.1302, 316.0829

0.9647, 2.0082,
0.0000

0.0000, 0.6122,
0.0000

70.7232, 88.8800,
43.5650

70.7232, 88.8800,
43.5650

66.2020, 86.7671,
33.5094

75.8415, 91.2486,
56.0001

62.2458, 84.8969,
25.6771

81.5847, 93.8844,
70.9500

58.8202, 83.2553,
19.8992

87.9795, 96.7983,
88.5443

55.8859, 81.8263,
15.9808

95.0500, 100.0000,
108.9000

■ 53.3963, 80.5910,
13.6897

■ 51.2769, 79.5192,
12.6463

■ 51.2767, 79.5191,
12.6462

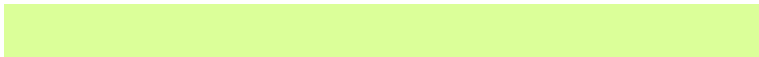
Harmonies

Analogous

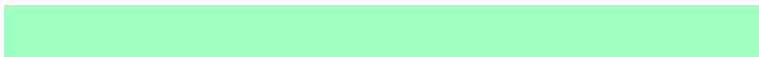
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6964, 88.8800, 37.0016



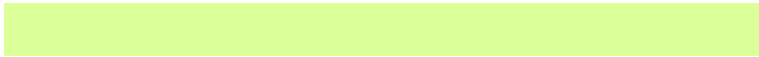
70.7232, 88.8800, 43.5650



62.2992, 88.8800, 63.6383

Triad

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



70.7232, 88.8800, 43.5650



71.9360, 88.8800, 185.1072



115.4342, 88.8800, 94.5478

Complementary

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



70.7232, 88.8800, 43.5650



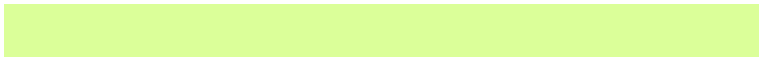
50.4286, 40.8225, 99.8294

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.



111.3795, 88.8800, 139.7860



70.7232, 88.8800, 43.5650



85.2640, 88.8800, 200.2046

Square

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



70.7232, 88.8800, 43.5650



62.9411, 88.8800, 144.8132



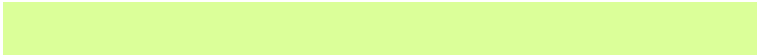
99.9092, 88.8800, 181.6698



110.4397, 88.8800, 60.7433

Rectangle

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



70.7232, 88.8800, 43.5650



59.8458, 88.8800, 85.6207



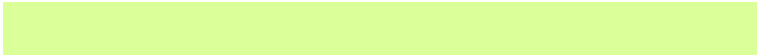
99.9092, 88.8800, 181.6698



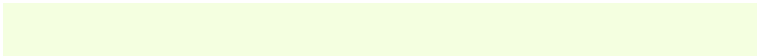
115.0821, 88.8800, 108.8588

Sweetspot

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



70.7235, 88.8801, 43.5663



86.6465, 96.1924, 84.8060



65.1235, 59.8270, 38.2536



18.3628, 20.5058, 17.6423



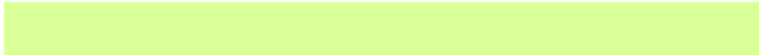
0.0000, 0.0000, 0.0000



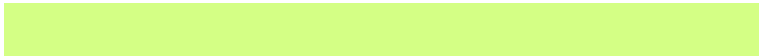
20.3446, 21.4041, 23.3091

Same Dimension

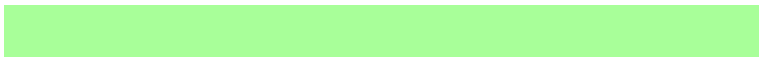
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7235, 88.8801, 43.5663



67.0595, 87.1696, 35.3367



57.7229, 82.1781, 42.9578



18.9026, 20.7512, 19.1534



26.9613, 41.6371, 6.6158



2.7438, 4.1152, 0.6497

Inverse Universe

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



50.4286, 40.8225, 99.8294



44.2424, 33.0926, 98.6634



65.2752, 48.4763, 100.5242



17.6078, 17.6896, 22.7363



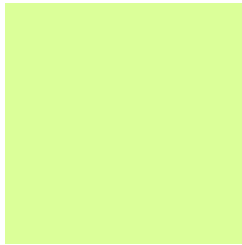
11.7808, 4.9837, 49.7756



1.2603, 0.5436, 4.8518

Previews

White Background



This preview shows how the XYZ color 70.7232, 88.8800, 43.5650 looks on a white background.

Color Contrast Check

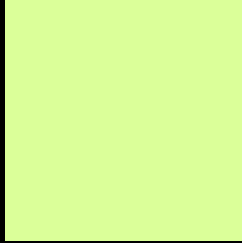
Large Text (above 18pt) WCAG AA × Fail

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 70.7232, 88.8800, 43.5650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

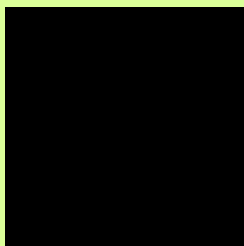
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

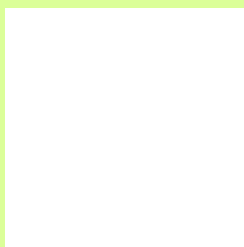
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7232, 88.8800, 43.5650

Background



This preview shows how black text looks on a background with the XYZ color 70.7232, 88.8800, 43.5650.

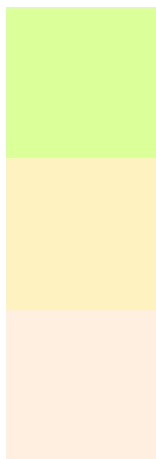


This preview shows how white text looks on a background with the XYZ color 70.7232, 88.8800,

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

70.7232, 88.8800, 43.5650

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

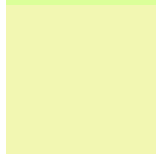
84.3942, 88.5571, 107.2529

Trichromacy



Original Color

70.7232, 88.8800, 43.5650



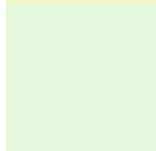
Protanomaly

77.9146, 88.6131, 55.1170



Deuteranomaly

79.4634, 88.2593, 66.2737



Tritanomaly

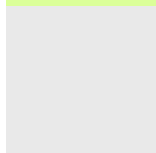
78.5488, 88.4065, 79.2539

Monochromacy



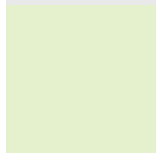
Original Color

70.7232, 88.8800, 43.5650



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3493, 83.7642, 69.3762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7232, 88.8800, 43.5650 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(219, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 153)  
}
```

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(219, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 70.7232, 88.8800, 43.5650 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(219, 255, 153) }
```


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

```
.border{ border-color:rgb(219, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7232, 88.8800, 43.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 153) }
```

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

```
.background{ background-color: rgb(219,  
255, 153) }
```

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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