

Converting Colors

XYZ(70.2178, 88.6778, 40.9059)

Have a look what the booklet for
XYZ(70.2178, 88.6778, 40.9059)
contains.

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Color

**XYZ(70.2399, 88.6867,
41.0200)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFF93
RGB	219, 255, 147
RGB Percent	86%, 100%, 58%
CMY	0.1412, 0.0000, 0.4235
CMYK	0.14, 0.00, 0.42, 0.00
HSL	80°, 100%, 79%
HSV	80°, 42%, 100%
XYZ	70.2399, 88.6867, 41.0200
YIQ	231.9240, 13.2120, -41.2200

Conversions

Conversions Part 2

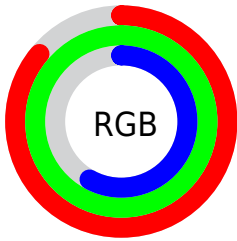
Format	Color
RYB	147, 255, 183
Decimal	14417811
CIELab	95.45, -28.34, 47.71
CIELCh	95, 55.488, 120.709
Yxy	88.6867, 0.3513, 0.4436
Android (android.graphics.Color)	4292607891 (0xFFDBFF93)
YUV	231.9240, -41.8675, -11.3343
Hunter-Lab	94.1736, -31.6686, 40.0961

Details

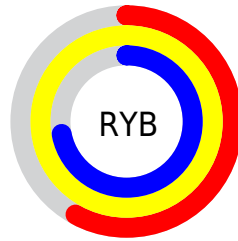
The XYZ color **70.2399, 88.6867, 41.0200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.0134, 38.1561, 99.4420**, and the grayscale version is **76.9407, 80.9476, 88.1520**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **37.1148, 48.8777, 18.0679** is the 20% darker color. If you saturate the color by 10%, you get **65.9630, 86.6880, 31.5072**, and if you desaturate by 10%, it is **75.0914, 90.9303, 52.8771**.

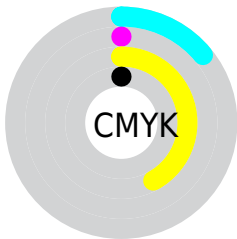
Distribution



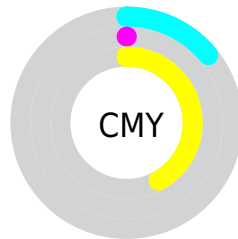
- Red (86%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2399, 88.6867, 41.0200 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 70.2399, 88.6867, 41.0200 by changing the saturation by 10% instead.


 70.2399, 88.6867,
41.0200


 70.2399, 88.6867,
41.0200


450.6452,
523.7494, 366.0833

 52.0024, 66.8919,
28.0149


 118.5752,
145.5128, 77.9683

 37.2313, 48.9968,
18.0977


 149.4038,
181.3129, 102.7485

 25.5611, 34.6169,
10.8500

185.1601,
222.5503, 132.2908

 16.6266, 23.3680,
5.8532

226.2095,
269.6093, 167.0138

 10.0622, 14.8654,
2.6887

272.9173,
322.8743, 207.3361

 5.5028, 8.7250,
0.9377

325.6490,

 2.5830, 4.5622,

382.7297, 253.6760

0.0000

384.7698,
449.5600, 306.4523

■ 0.9373, 1.9928,
0.0000

■ 0.0000, 0.6033,
0.0000

■ 70.2399, 88.6867,
41.0200

■ 70.2399, 88.6867,
41.0200

■ 65.9630, 86.6880,
31.5072

■ 75.0914, 90.9303,
52.8771

■ 62.2285, 84.9211,
24.1787

■ 80.5457, 93.4303,
67.2166

■ 59.0013, 83.3718,
18.8606

■ 86.6295, 96.1977,
84.1704

■ 56.2411, 82.0237,
15.3509

■ 93.3677, 99.2426,
103.8598

■ 53.8994, 80.8571, 95.0500, 100.0000,
13.4051 108.9000

■ 52.3371, 80.0658,
12.6958

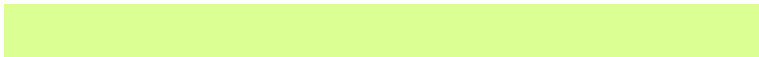
Harmonies

Analogous

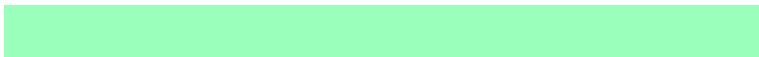
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9331, 88.6867, 34.7450



70.2399, 88.6867, 41.0200



61.2991, 88.6867, 61.1470

Triad

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



70.2399, 88.6867, 41.0200



70.7957, 88.6867, 189.4407



117.0048, 88.6867, 95.5334

Complementary

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



70.2399, 88.6867, 41.0200



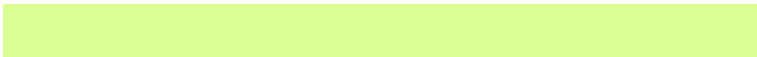
48.0134, 38.1561, 99.4420

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.



112.4217, 88.6867, 143.5469



70.2399, 88.6867, 41.0200



84.6560, 88.6867, 206.6906

Square

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



70.2399, 88.6867, 41.0200



61.5918, 88.6867, 145.8947



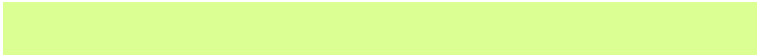
100.1080, 88.6867, 187.8232



111.9844, 88.6867, 59.8345

Rectangle

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



70.2399, 88.6867, 41.0200



58.6287, 88.6867, 83.6786



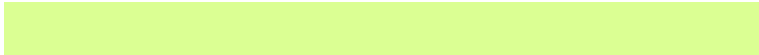
100.1080, 88.6867, 187.8232



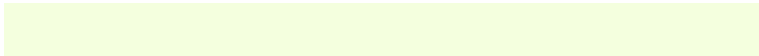
116.5314, 88.6867, 110.7102

Sweetspot

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



70.2402, 88.6868, 41.0213



86.2155, 96.0100, 82.9896



63.4406, 57.2345, 35.3087



18.1564, 20.4152, 16.9211



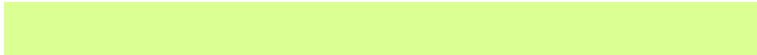
0.0000, 0.0000, 0.0000



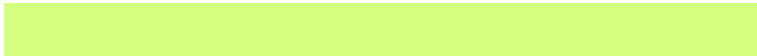
20.3446, 21.4041, 23.3091

Same Dimension

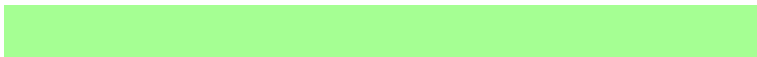
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2402, 88.6868, 41.0213



66.5087, 86.9443, 32.6618



56.5443, 81.6263, 40.3803



18.9384, 20.7697, 19.1551



27.5122, 41.9211, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



48.0134, 38.1561, 99.4420



41.5899, 30.2325, 98.2512



63.4094, 46.0930, 100.1625



17.5735, 17.6718, 22.7347



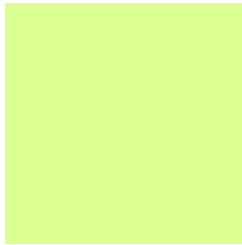
11.5298, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 70.2399, 88.6867, 41.0200 looks on a white background.

Color Contrast Check

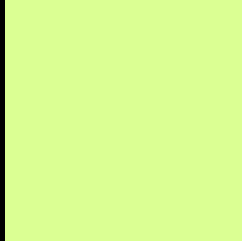
Large Text (above 18pt) WCAG AA × Fail

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 70.2399, 88.6867, 41.0200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

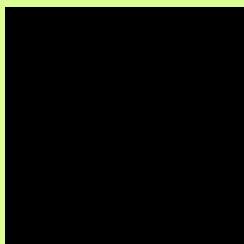
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

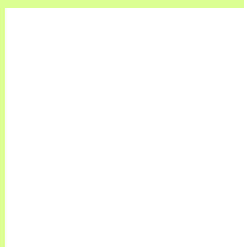
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2399, 88.6867, 41.0200

Background



This preview shows how black text looks on a background with the XYZ color 70.2399, 88.6867, 41.0200.

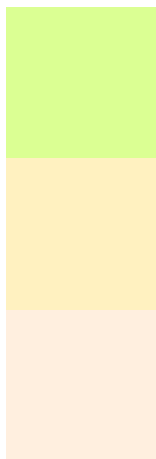


This preview shows how white text looks on a background with the XYZ color 70.2399, 88.6867,

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

70.2399, 88.6867, 41.0200

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

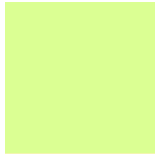
85.4258, 88.3207, 82.3572



Tritanopia

84.3942, 88.5571, 107.2529

Trichromacy



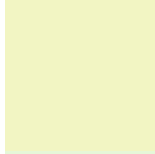
Original Color

70.2399, 88.6867, 41.0200



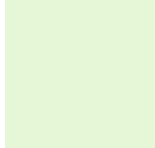
Protanomaly

77.4102, 87.9234, 53.9653



Deuteranomaly

79.1207, 88.1222, 64.4689



Tritanomaly

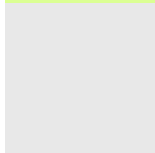
78.2886, 88.3024, 77.8836

Monochromacy



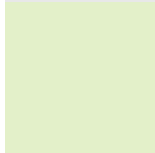
Original Color

70.2399, 88.6867, 41.0200



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.3813, 82.8681, 67.3859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2399, 88.6867, 41.0200 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 70.2399, 88.6867, 41.0200 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, 147) }
```


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

```
.border{ border-color:rgb(219, 255, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2399, 88.6867, 41.0200 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, 147) }
```

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

```
.background{ background-color: rgb(219,  
255, 147) }
```

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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