

Converting Colors

XYZ(92.6429, 133.7288,
50.8645)

Have a look what the booklet for
XYZ(92.6429, 133.7288, 50.8645)
contains.

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Color

**XYZ(70.1250, 88.5716,
43.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FF99
RGB	217, 255, 153
RGB Percent	85%, 100%, 60%
CMY	0.1490, 0.0000, 0.4000
CMYK	0.15, 0.00, 0.40, 0.00
HSL	82°, 100%, 80%
HSV	82°, 40%, 100%
XYZ	70.1250, 88.5716, 43.5370
YIQ	232.0100, 10.0940, -39.7780

Conversions

Conversions Part 2

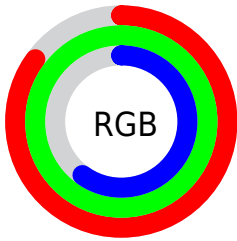
Format	Color
RYB	153, 255, 191
Decimal	14286745
CIELab	95.40, -28.38, 44.73
CIElCh	95, 52.969, 122.391
Yxy	88.5716, 0.3468, 0.4380
Android (android.graphics.Color)	4292476825 (0xFFD9FF99)
YUV	232.0100, -38.9519, -13.1638
Hunter-Lab	94.1125, -31.6931, 38.4508

Details

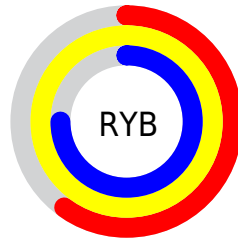
The XYZ color **70.1250, 88.5716, 43.5370** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.9282, 41.0801, 99.8528**, and the grayscale version is **76.9857, 80.9950, 88.2035**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.1923, 48.8853, 19.5322** is the 20% darker color. If you saturate the color by 10%, you get **65.4956, 86.4030, 33.4764**, and if you desaturate by 10%, it is **75.3676, 91.0044, 55.9780**.

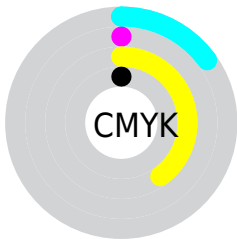
Distribution



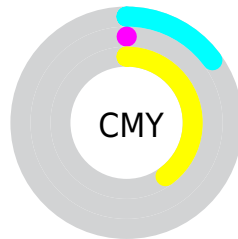
- Red (85%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.1250, 88.5716, 43.5370 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 70.1250, 88.5716, 43.5370 by changing the saturation by 10% instead.


 70.1250, 88.5716,
43.5370


 70.1250, 88.5716,
43.5370


450.2483,
523.3733, 376.8014

 51.9084, 66.7966,
29.9722


 118.4123,
145.3527, 81.8156

 37.1561, 48.9193,
19.5656


 149.2137,
181.1275, 107.3665

 25.5026, 34.5555,
11.8987


184.9408,
222.3377, 137.7498

 16.5826, 23.3207,
6.5531

225.9589,
269.3677, 173.3840

 10.0308, 14.8305,
3.1100

272.6333,
322.6019, 214.6878

 5.4818, 8.7005,
1.1511

325.3295,

 2.5703, 4.5463,

382.4246, 262.0796

0.0000

384.4127,
449.2203, 315.9779

■ 0.9308, 1.9836,
0.0000

■ 0.0000, 0.5979,
0.0000

■ 70.1250, 88.5716,
43.5370

■ 70.1250, 88.5716,
43.5370

■ 65.4956, 86.4030,
33.4764

■ 75.3676, 91.0044,
55.9780

■ 61.4470, 84.4851,
25.6398

■ 81.2517, 93.7127,
70.9345

■ 57.9444, 82.8037,
19.8582

■ 87.8043, 96.7080,
88.5361

■ 54.9478, 81.3427,
15.9369

95.0500, 100.0000,
108.9000

■ 52.4104, 80.0827,
13.6436

■ 50.2570, 78.9935,
12.5985

■ 50.2567, 78.9933,
12.5984

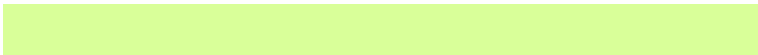
Harmonies

Analogous

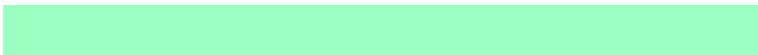
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0278, 88.5716, 36.6690



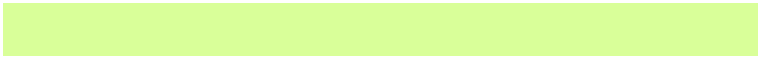
70.1250, 88.5716, 43.5370



61.8319, 88.5716, 63.9872

Triad

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



70.1250, 88.5716, 43.5370



71.9222, 88.5716, 185.8273



115.2007, 88.5716, 93.1491

Complementary

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



70.1250, 88.5716, 43.5370



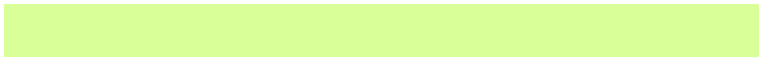
50.9282, 41.0801, 99.8528

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.



111.3637, 88.5716, 138.3434



70.1250, 88.5716, 43.5370



85.3522, 88.5716, 200.1410

Square

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



70.1250, 88.5716, 43.5370



62.7829, 88.5716, 145.8065



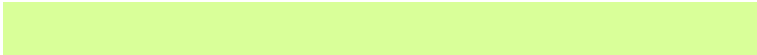
100.0081, 88.5716, 180.7209



109.9691, 88.5716, 59.7011

Rectangle

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



70.1250, 88.5716, 43.5370



59.4796, 88.5716, 86.2554



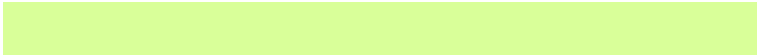
100.0081, 88.5716, 180.7209



114.9284, 88.5716, 107.3950

Sweetspot

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



70.1253, 88.5717, 43.5383



86.4383, 96.0851, 84.7963



65.4906, 60.5612, 38.3760



18.3137, 20.4805, 17.6400



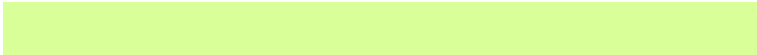
0.0000, 0.0000, 0.0000



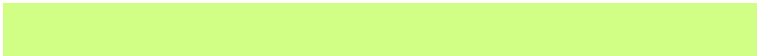
20.3446, 21.4041, 23.3091

Same Dimension

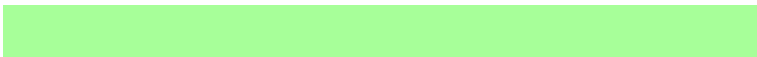
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1253, 88.5717, 43.5383



66.3736, 86.8160, 35.3046



57.3625, 81.9923, 42.9410



18.8669, 20.7328, 19.1518



26.4309, 41.3637, 6.5909



2.6944, 4.0898, 0.6474

Inverse Universe

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



50.9282, 41.0801, 99.8528



44.7891, 33.3745, 98.6890



65.8542, 48.7747, 100.5513



17.6423, 17.7073, 22.7380



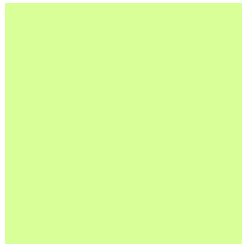
12.0486, 5.1217, 49.7881



1.2891, 0.5585, 4.8531

Previews

White Background



This preview shows how the XYZ color 70.1250, 88.5716, 43.5370 looks on a white background.

Color Contrast Check

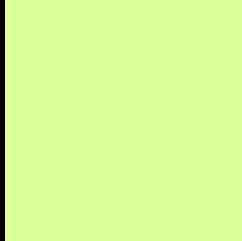
Large Text (above 18pt) WCAG AA × Fail

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 70.1250, 88.5716, 43.5370 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 70.1250, 88.5716, 43.5370

Background



This preview shows how black text looks on a background with the XYZ color 70.1250, 88.5716, 43.5370.



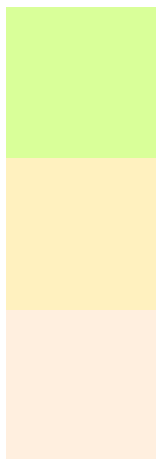
This preview shows how white text looks on a background with the XYZ color 70.1250, 88.5716,

43.5370.

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

70.1250, 88.5716, 43.5370

Protanopia

82.0993, 87.9322, 61.9357

Deuteranopia

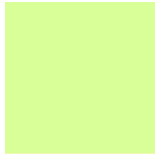
85.4258, 88.3207, 82.3572



Tritanopia

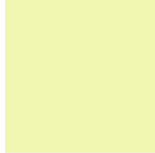
84.0631, 88.3864, 107.2374

Trichromacy



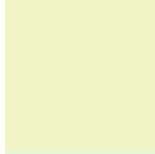
Original Color

70.1250, 88.5716, 43.5370



Protanomaly

77.1672, 87.7866, 54.4723



Deuteranomaly

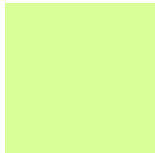
79.1211, 88.0828, 66.2576



Tritanomaly

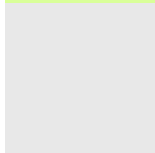
77.9106, 88.0775, 79.2240

Monochromacy



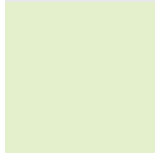
Original Color

70.1250, 88.5716, 43.5370



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6181, 82.9629, 68.6333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1250, 88.5716, 43.5370 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(217, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 70.1250, 88.5716, 43.5370 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(217, 255, 153) }
```


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

```
.border{ border-color:rgb(217, 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(217, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1250, 88.5716, 43.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 153) }
```

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

```
.background{ background-color: rgb(217,  
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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