

Converting Colors

XYZ(69.5596, 88.2801, 43.5106)

Have a look what the booklet for
XYZ(69.5596, 88.2801, 43.5106)
contains.

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Color

**XYZ(69.5341, 88.2670,
43.5094)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FF99
RGB	215, 255, 153
RGB Percent	84%, 100%, 60%
CMY	0.1569, 0.0000, 0.4000
CMYK	0.16, 0.00, 0.40, 0.00
HSL	84°, 100%, 80%
HSV	84°, 40%, 100%
XYZ	69.5341, 88.2670, 43.5094
YIQ	231.4120, 8.9020, -40.2020

Conversions

Conversions Part 2

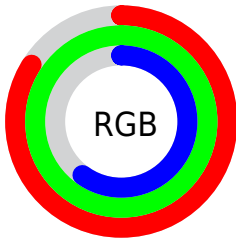
Format	Color
RYB	153, 255, 193
Decimal	14155673
CIELab	95.27, -29.10, 44.54
CIELCh	95, 53.201, 123.156
Yxy	88.2670, 0.3454, 0.4385
Android (android.graphics.Color)	4292345753 (0xFFD7FF99)
YUV	231.4120, -38.6571, -14.3933
Hunter-Lab	93.9505, -32.3030, 38.3076

Details

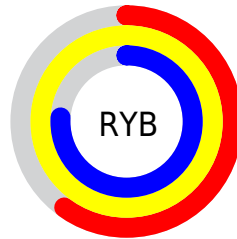
The XYZ color **69.5341, 88.2670, 43.5094** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.4347, 41.3412, 99.8765**, and the grayscale version is **76.5366, 80.5225, 87.6889**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **36.7924, 48.6792, 19.5135** is the 20% darker color. If you saturate the color by 10%, you get **64.8005, 86.0446, 33.4439**, and if you desaturate by 10%, it is **74.8980, 90.7622, 55.9560**.

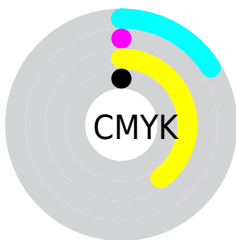
Distribution



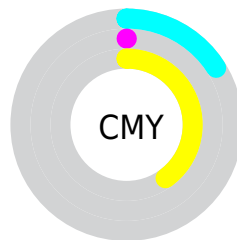
- Red (84%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5341, 88.2670, 43.5094 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 69.5341, 88.2670, 43.5094 by changing the saturation by 10% instead.

69.5341, 88.2670,
43.5094

69.5341, 88.2670,
43.5094

448.2044,
522.3772, 376.6851

51.4250, 66.5442,
29.9506

117.5740,
144.9288, 81.7736

36.7694, 48.7143,
19.5494

148.2355,
180.6366, 107.3161

25.2018, 34.3929,
11.8871

183.8120,
221.7749, 137.6903

16.3570, 23.1956,
6.5452

224.6686,
268.7281, 173.3147

9.8696, 14.7380,
3.1053

271.1708,
321.8805, 214.6078

5.3742, 8.6357,
1.1486

323.6839,

2.5054, 4.5043,

381.6166, 261.9882

0.0000

382.5734,
448.3207, 315.8745

■ 0.8980, 1.9595,
0.0000

■ 0.0000, 0.5838,
0.0000

■ 69.5341, 88.2670,
43.5094

■ 69.5341, 88.2670,
43.5094

■ 64.8005, 86.0446,
33.4439

■ 74.8980, 90.7622,
55.9560

■ 60.6640, 84.0814,
25.6031

■ 80.9206, 93.5421,
70.9190

■ 57.0895, 82.3630,
19.8182

■ 87.6297, 96.6179,
88.5280

■ 54.0366, 80.8729,
15.8943

95.0500, 100.0000,
108.9000

■ 51.4578, 79.5916,
13.5990

■ 49.2773, 78.4884,
12.5527

■ 49.2771, 78.4883,
12.5526

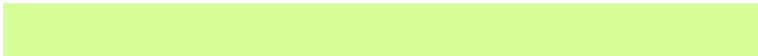
Harmonies

Analogous

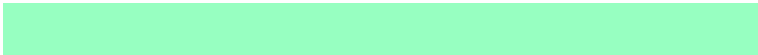
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3674, 88.2670, 36.3401



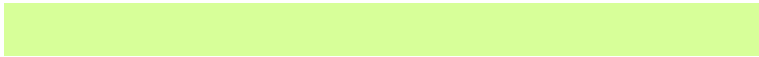
69.5341, 88.2670, 43.5094



61.3701, 88.2670, 64.3365

Triad

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



69.5341, 88.2670, 43.5094



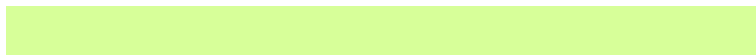
71.9097, 88.2670, 186.5508



114.9712, 88.2670, 91.7725

Complementary

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



69.5341, 88.2670, 43.5094



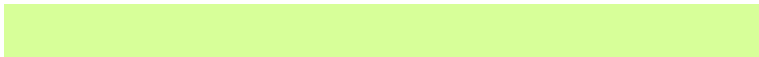
51.4347, 41.3412, 99.8765

Split Complementary

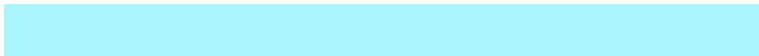
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3505, 88.2670, 136.9207



69.5341, 88.2670, 43.5094



85.4416, 88.2670, 200.0831

Square

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



69.5341, 88.2670, 43.5094



62.6265, 88.2670, 146.8030



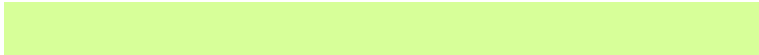
100.1087, 88.2670, 179.7844



109.5044, 88.2670, 58.6764

Rectangle

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



69.5341, 88.2670, 43.5094



59.1174, 88.2670, 86.8918



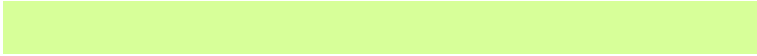
100.1087, 88.2670, 179.7844



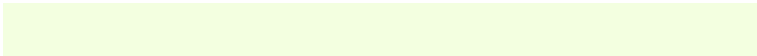
114.7781, 88.2670, 105.9534

Sweetspot

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



69.5344, 88.2671, 43.5107



86.2309, 95.9782, 84.7866



65.8620, 61.3040, 38.4998



18.2648, 20.4553, 17.6377



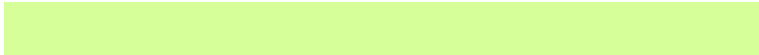
0.0000, 0.0000, 0.0000



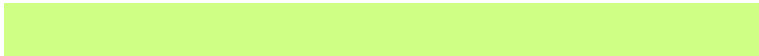
20.3446, 21.4041, 23.3091

Same Dimension

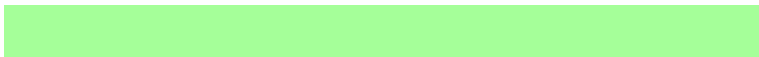
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5344, 88.2671, 43.5107



65.6979, 86.4677, 35.2730



57.0068, 81.8089, 42.9244



18.8313, 20.7144, 19.1501



25.9209, 41.1008, 6.5671



2.6466, 4.0651, 0.6452

Inverse Universe

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



51.4347, 41.3412, 99.8765



45.3455, 33.6613, 98.7151



66.4385, 49.0760, 100.5787



17.6768, 17.7251, 22.7396



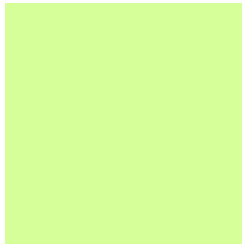
12.3333, 5.2685, 49.8015



1.3192, 0.5740, 4.8545

Previews

White Background



This preview shows how the XYZ color 69.5341, 88.2670, 43.5094 looks on a white background.

Color Contrast Check

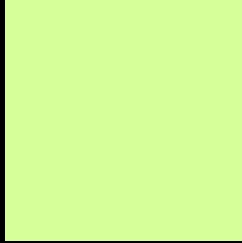
Large Text (above 18pt) WCAG AA × Fail

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 69.5341, 88.2670, 43.5094 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

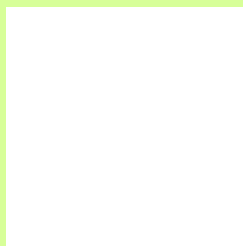
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5341, 88.2670, 43.5094

Background



This preview shows how black text looks on a background with the XYZ color 69.5341, 88.2670, 43.5094.

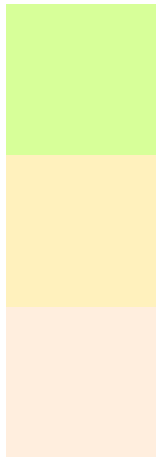


This preview shows how white text looks on a background with the XYZ color 69.5341, 88.2670,

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

69.5341, 88.2670, 43.5094

Protanopia

81.8806, 87.8447, 60.7843

Deuteranopia

84.9994, 87.6830, 81.5518



Tritanopia

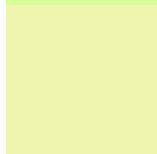
83.4064, 88.0479, 107.2067

Trichromacy



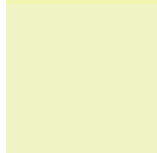
Original Color

69.5341, 88.2670, 43.5094



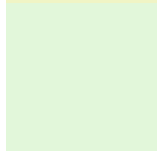
Protanomaly

76.7274, 87.5714, 53.9333



Deuteranomaly

78.3639, 87.2578, 65.5356



Tritanomaly

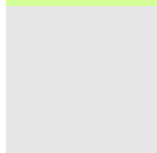
77.2797, 87.7522, 79.1945

Monochromacy



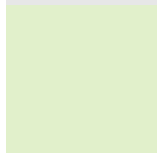
Original Color

69.5341, 88.2670, 43.5094



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9909, 82.6395, 68.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5341, 88.2670, 43.5094 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(215, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 69.5341, 88.2670, 43.5094 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(215, 255, 153) }
```


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

```
.border{ border-color:rgb(215, 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(215, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5341, 88.2670, 43.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 153) }
```

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

```
.background{ background-color: rgb(215,  
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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