

Converting Colors

XYZ(67.8379, 87.4146, 42.4352)

Have a look what the booklet for
XYZ(67.8379, 87.4146, 42.4352)
contains.

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Color

**XYZ(67.9243, 87.4560,
42.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF97
RGB	210, 255, 151
RGB Percent	82%, 100%, 59%
CMY	0.1765, 0.0000, 0.4078
CMYK	0.18, 0.00, 0.41, 0.00
HSL	86°, 100%, 80%
HSV	86°, 41%, 100%
XYZ	67.9243, 87.4560, 42.5789
YIQ	229.6890, 6.5640, -41.8840

Conversions

Conversions Part 2

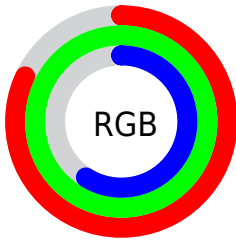
Format	Color
RYB	151, 255, 196
Decimal	13827991
CIELab	94.93, -31.13, 45.01
CIELCh	95, 54.722, 124.668
Yxy	87.4560, 0.3431, 0.4418
Android (android.graphics.Color)	4292018071 (0xFFD2FF97)
YUV	229.6890, -38.7937, -17.2673
Hunter-Lab	93.5179, -34.0075, 38.4677

Details

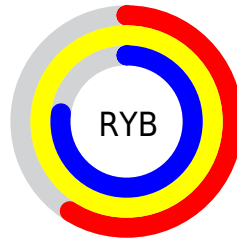
The XYZ color **67.9243, 87.4560, 42.5789** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.8827, 41.0903, 99.8044**, and the grayscale version is **75.2576, 79.1769, 86.2236**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **35.7251, 48.1400, 18.9643** is the 20% darker color. If you saturate the color by 10%, you get **63.0382, 85.1511, 32.6843**, and if you desaturate by 10%, it is **73.4756, 90.0521, 54.8449**.

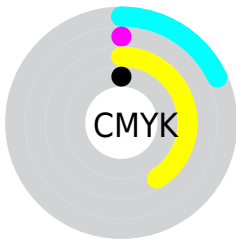
Distribution



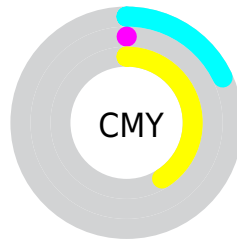
- Red (82%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.9243, 87.4560, 42.5789 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 67.9243, 87.4560, 42.5789 by changing the saturation by 10% instead.


 67.9243, 87.4560,
42.5789


 67.9243, 87.4560,
42.5789


442.6087,
519.7201, 372.7473

 50.1096, 65.8726,
29.2259


 115.2863,
143.7996, 80.3545

 35.7186, 48.1690,
19.0047


 145.5644,
179.3285, 105.6143

 24.3861, 33.9608,
11.4968


180.7276,
220.2748, 135.6800

 15.7465, 22.8635,
6.2837

221.1414,
267.0229, 170.9702

 9.4347, 14.4927,
2.9468

267.1710,
319.9570, 211.9035

 5.0852, 8.4641,
1.0675

319.1819,

 2.3326, 4.3934,

379.4617, 258.8985

0.0000

377.5393,
445.9212, 312.3736

■ 0.8113, 1.8959,
0.0000

■ 0.0000, 0.5459,
0.0000

■ 67.9243, 87.4560,
42.5789

■ 67.9243, 87.4560,
42.5789

■ 63.0382, 85.1511,
32.6843

■ 73.4756, 90.0521,
54.8449

■ 58.7829, 83.1230,
25.0035

■ 79.7219, 92.9516,
69.6187

■ 55.1215, 81.3565,
19.3659

■ 86.6921, 96.1667,
87.0305

■ 52.0120, 79.8342,
15.5743

■ 94.4129, 99.7085,
107.2006

■ 49.4049, 78.5358, 95.0500, 100.0000,
13.3923 108.9000

■ 47.3775, 77.5090,
12.4637

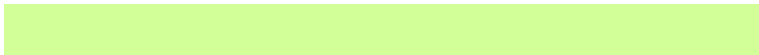
Harmonies

Analogous

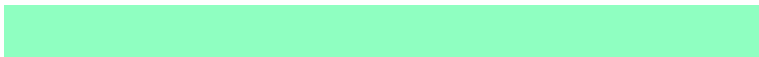
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8232, 87.4560, 34.7832



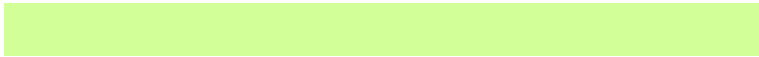
67.9243, 87.4560, 42.5789



59.9053, 87.4560, 64.3598

Triad

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



67.9243, 87.4560, 42.5789



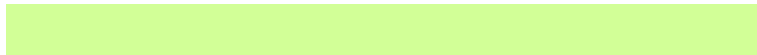
71.5015, 87.4560, 189.8516



114.9371, 87.4560, 88.7266

Complementary

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



67.9243, 87.4560, 42.5789



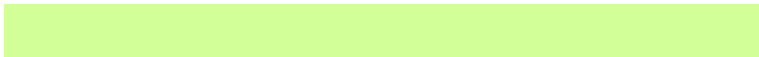
51.8827, 41.0903, 99.8044

Split Complementary

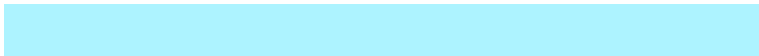
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6799, 87.4560, 134.6518



67.9243, 87.4560, 42.5789



85.4686, 87.4560, 202.1274

Square

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



67.9243, 87.4560, 42.5789



61.7917, 87.4560, 149.6943



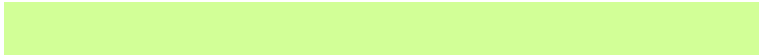
100.4379, 87.4560, 179.5084



108.8757, 87.4560, 55.8882

Rectangle

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



67.9243, 87.4560, 42.5789



57.8233, 87.4560, 87.8296



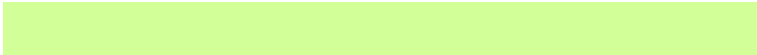
100.4379, 87.4560, 179.5084



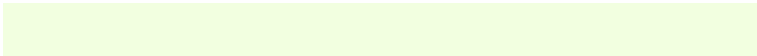
114.9013, 87.4560, 103.0237

Sweetspot

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



67.9246, 87.4562, 42.5802



85.8043, 95.7582, 84.7666



66.1926, 62.2274, 37.8018



18.1643, 20.4035, 17.6330



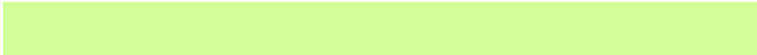
0.0000, 0.0000, 0.0000



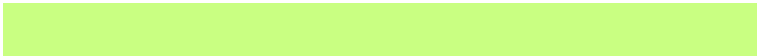
20.3446, 21.4041, 23.3091

Same Dimension

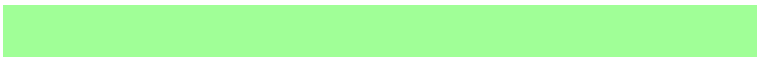
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9246, 87.4562, 42.5802



63.8623, 85.5414, 34.2819



55.7774, 81.1940, 42.0117



18.7579, 20.6766, 19.1467



24.9302, 40.5901, 6.5207



2.5527, 4.0167, 0.6408

Inverse Universe

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



51.8827, 41.0903, 99.8044



45.8342, 33.4032, 98.6395



67.2403, 49.0074, 100.5232



17.7485, 17.7621, 22.7429



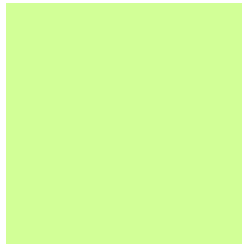
12.9771, 5.6004, 49.8316



1.3859, 0.6084, 4.8577

Previews

White Background



This preview shows how the XYZ color 67.9243, 87.4560, 42.5789 looks on a white background.

Color Contrast Check

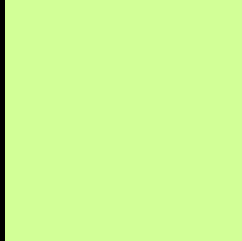
Large Text (above 18pt) WCAG AA × Fail

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 67.9243, 87.4560, 42.5789 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

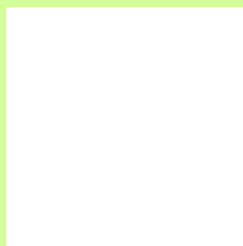
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9243, 87.4560, 42.5789

Background



This preview shows how black text looks on a background with the XYZ color 67.9243, 87.4560, 42.5789.

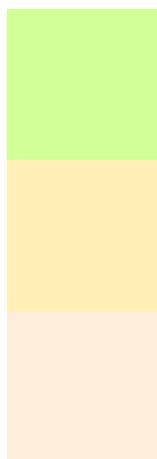


This preview shows how white text looks on a background with the XYZ color 67.9243, 87.4560,

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

67.9243, 87.4560, 42.5789

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

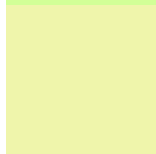
82.1384, 86.9536, 107.0623

Trichromacy



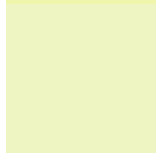
Original Color

67.9243, 87.4560, 42.5789



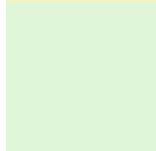
Protanomaly

75.5997, 86.5958, 51.2582



Deuteranomaly

77.7976, 86.9922, 64.3206



Tritanomaly

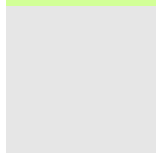
75.9116, 86.6093, 78.3619

Monochromacy



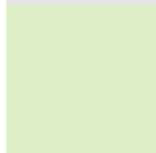
Original Color

67.9243, 87.4560, 42.5789



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.8405, 81.6380, 67.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9243, 87.4560, 42.5789 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(210, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 151)  
}
```

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(210, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 67.9243, 87.4560, 42.5789 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(210, 255, 151) }
```


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

```
.border{ border-color:rgb(210, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9243, 87.4560, 42.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 151) }
```

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

```
.background{ background-color: rgb(210,  
255, 151) }
```

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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