

Converting Colors

XYZ(68.9503, 87.9660, 43.4821)

Have a look what the booklet for
XYZ(68.9503, 87.9660, 43.4821)
contains.

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Color

**XYZ(68.9503, 87.9660,
43.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF99
RGB	213, 255, 153
RGB Percent	84%, 100%, 60%
CMY	0.1647, 0.0000, 0.4000
CMYK	0.16, 0.00, 0.40, 0.00
HSL	85°, 100%, 80%
HSV	85°, 40%, 100%
XYZ	68.9503, 87.9660, 43.4821
YIQ	230.8140, 7.7100, -40.6260

Conversions

Conversions Part 2

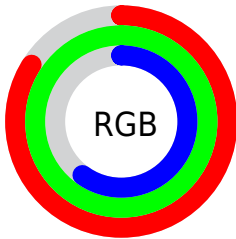
Format	Color
RYB	153, 255, 195
Decimal	14024601
CIELab	95.15, -29.82, 44.35
CIElCh	95, 53.441, 123.911
Yxy	87.9660, 0.3441, 0.4390
Android (android.graphics.Color)	4292214681 (0xFFD5FF99)
YUV	230.8140, -38.3623, -15.6229
Hunter-Lab	93.7902, -32.9077, 38.1657

Details

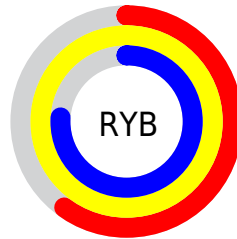
The XYZ color **68.9503, 87.9660, 43.4821** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.9481, 41.6059, 99.9005**, and the grayscale version is **76.0890, 80.0515, 87.1761**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **36.3990, 48.4764, 19.4950** is the 20% darker color. If you saturate the color by 10%, you get **64.1162, 85.6919, 33.4119**, and if you desaturate by 10%, it is **74.4323, 90.5222, 55.9343**.

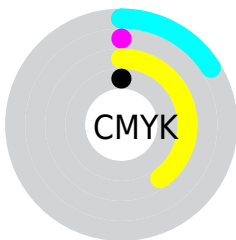
Distribution



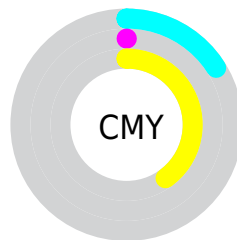
- Red (84%)
- Green (100%)
- Blue (60%)



- 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 68.9503, 87.9660, 43.4821 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 68.9503, 87.9660, 43.4821 by changing the saturation by 10% instead.


 68.9503, 87.9660,
43.4821


 68.9503, 87.9660,
43.4821


446.1798,
521.3919, 376.5700

 50.9477, 66.2949,
29.9294


 116.7450,
144.5098, 81.7320

 36.3879, 48.5118,
19.5334


 147.2679,
180.1513, 107.2663

 24.9054, 34.2324,
11.8756

182.6950,
221.2185, 137.6314

 16.1350, 23.0722,
6.5375

223.3915,
268.0956, 173.2461

 9.7112, 14.6468,
3.1006

269.7229,
321.1671, 214.5287

 5.2687, 8.5719,
1.1462

322.0545,

 2.4421, 4.4630,

380.8174, 261.8979

0.0000

380.7517,
447.4308, 315.7721

0.8662, 1.9358,
0.0000

0.0000, 0.5698,
0.0000

68.9503, 87.9660,
43.4821

68.9503, 87.9660,
43.4821

64.1162, 85.6919,
33.4119

74.4323, 90.5222,
55.9343

59.8965, 83.6858,
25.5672

80.5914, 93.3723,
70.9037

56.2554, 81.9331,
19.7792

87.4555, 96.5281,
88.5199

53.1520, 80.4169,
15.8529

95.0500, 100.0000,
108.9000

■ 50.5381, 79.1175,
13.5560

■ 48.3374, 78.0039,
12.5087

■ 48.3372, 78.0038,
12.5086

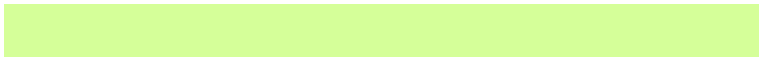
Harmonies

Analogous

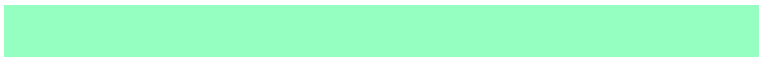
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7150, 87.9660, 36.0148



68.9503, 87.9660, 43.4821



60.9136, 87.9660, 64.6860

Triad

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



68.9503, 87.9660, 43.4821



71.8983, 87.9660, 187.2773



114.7454, 87.9660, 90.4175

Complementary

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



68.9503, 87.9660, 43.4821



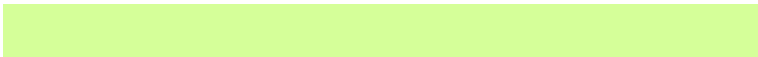
51.9481, 41.6059, 99.9005

Split Complementary

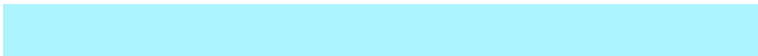
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3396, 87.9660, 135.5174



68.9503, 87.9660, 43.4821



85.5321, 87.9660, 200.0307

Square

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



68.9503, 87.9660, 43.4821



62.4719, 87.9660, 147.8025



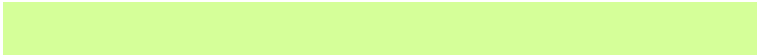
100.2108, 87.9660, 178.8600



109.0455, 87.9660, 57.6688

Rectangle

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



68.9503, 87.9660, 43.4821



58.7591, 87.9660, 87.5294



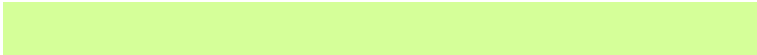
100.2108, 87.9660, 178.8600



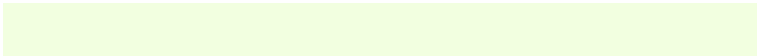
114.6310, 87.9660, 104.5335

Sweetspot

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



68.9506, 87.9662, 43.4834



86.0242, 95.8716, 84.7769



66.2377, 62.0554, 38.6251



18.2161, 20.4302, 17.6355



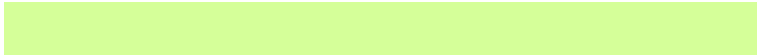
0.0000, 0.0000, 0.0000



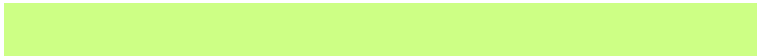
20.3446, 21.4041, 23.3091

Same Dimension

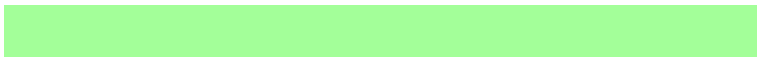
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9506, 87.9662, 43.4834



65.0323, 86.1246, 35.2418



56.6558, 81.6280, 42.9080



18.7957, 20.6961, 19.1484



25.4310, 40.8482, 6.5441



2.6003, 4.0413, 0.6430

Inverse Universe

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



51.9481, 41.6059, 99.9005



45.9116, 33.9532, 98.7416



67.0283, 49.3800, 100.6063



17.7115, 17.7430, 22.7412



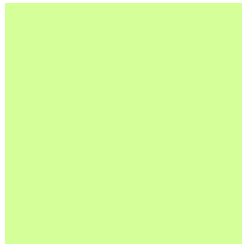
12.6354, 5.4243, 49.8156



1.3507, 0.5903, 4.8560

Previews

White Background



This preview shows how the XYZ color 68.9503, 87.9660, 43.4821 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 68.9503, 87.9660, 43.4821 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

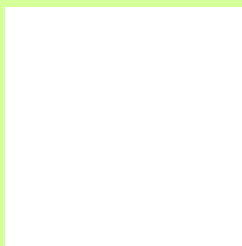
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9503, 87.9660, 43.4821

Background



This preview shows how black text looks on a background with the XYZ color 68.9503, 87.9660, 43.4821.

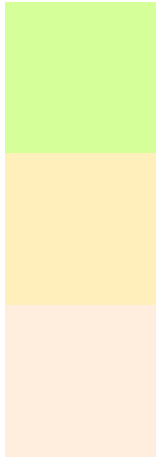


This preview shows how white text looks on a background with the XYZ color 68.9503, 87.9660,

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

68.9503, 87.9660, 43.4821

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

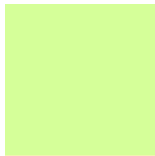
84.8657, 87.6295, 80.8479



Tritanopia

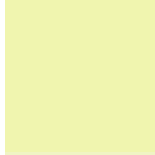
83.0808, 87.8801, 107.1915

Trichromacy



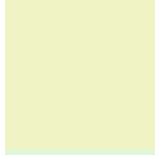
Original Color

68.9503, 87.9660, 43.4821



Protanomaly

76.3255, 86.9252, 53.3129



Deuteranomaly

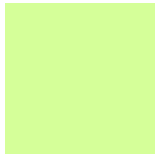
78.2497, 87.2122, 64.9340



Tritanomaly

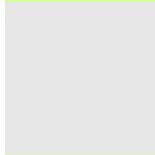
76.9670, 87.5910, 79.1798

Monochromacy



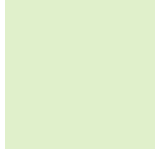
Original Color

68.9503, 87.9660, 43.4821



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.6801, 82.4793, 68.5894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9503, 87.9660, 43.4821 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(213, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.9503, 87.9660, 43.4821 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(213, 255, 153) }
```


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

```
.border{ border-color:rgb(213, 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(213, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9503, 87.9660, 43.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 153) }
```

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

```
.background{ background-color: rgb(213,  
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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