

Converting Colors

XYZ(68.4150, 86.7671, 42.4221)

Have a look what the booklet for
XYZ(68.4150, 86.7671, 42.4221)
contains.

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Color

**XYZ(68.4427, 86.7811,
42.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FD97
RGB	214, 253, 151
RGB Percent	84%, 99%, 59%
CMY	0.1608, 0.0078, 0.4078
CMYK	0.15, 0.00, 0.40, 0.01
HSL	83°, 96%, 79%
HSV	83°, 40%, 99%
XYZ	68.4427, 86.7811, 42.4213
YIQ	229.7110, 9.4980, -39.9900

Conversions

Conversions Part 2

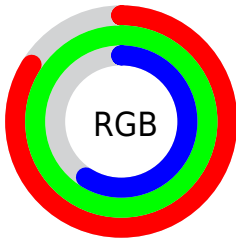
Format	Color
RYB	151, 253, 190
Decimal	14089623
CIELab	94.65, -28.76, 44.69
CIELCh	95, 53.148, 122.760
Yxy	86.7811, 0.3463, 0.4391
Android (android.graphics.Color)	4292279703 (0xFFD6FD97)
YUV	229.7110, -38.8045, -13.7785
Hunter-Lab	93.1564, -31.8783, 38.2101

Details

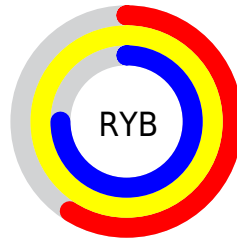
The XYZ color **68.4427, 86.7811, 42.4213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.0351, 40.1747, 98.0509**, and the grayscale version is **75.2749, 79.1950, 86.2434**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **36.0451, 47.6308, 18.8492** is the 20% darker color. If you saturate the color by 10%, you get **63.8649, 84.6364, 32.6085**, and if you desaturate by 10%, it is **73.6335, 89.1964, 54.5677**.

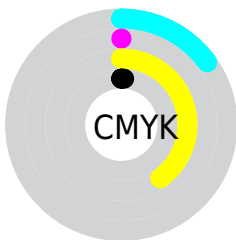
Distribution



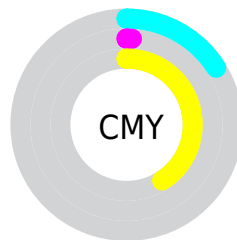
- Red (84%)
- Green (99%)
- Blue (59%)



- Red (59%)
- Yellow (99%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (1%)




- Cyan (16%)
- Magenta (1%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4427, 86.7811, 42.4213 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 68.4427, 86.7811, 42.4213 by changing the saturation by 10% instead.


 68.4427, 86.7811,
42.4213


 68.4427, 86.7811,
42.4213


444.4151,
517.5033, 372.0775

 50.5330, 65.3141,
29.1033


 116.0237,
142.8590, 80.1138

 36.0566, 47.7158,
18.9127


 146.4256,
178.2386, 105.3254

 24.6482, 33.6019,
11.4311


181.7223,
219.0246, 135.3386

 15.9425, 22.5879,
6.2398

222.2792,
265.6013, 170.5719

 9.5741, 14.2895,
2.9203

268.4615,
318.3532, 211.4439

 5.1776, 8.3223,
1.0541

320.6347,

 2.3876, 4.3019,

377.6645, 258.3732

0.0000

379.1641,
443.9197, 311.7782

■ 0.8390, 1.8438,
0.0000

■ 0.0000, 0.5143,
0.0000

■ 68.4427, 86.7811,
42.4213

■ 68.4427, 86.7811,
42.4213

■ 63.8649, 84.6364,
32.6085

■ 73.6335, 89.1964,
54.5677

■ 59.8622, 82.7378,
24.9737

■ 79.4596, 91.8825,
69.1788

■ 56.4022, 81.0749,
19.3511

■ 85.9499, 94.8542,
86.3828

■ 53.4452, 79.6316,
15.5487

■ 93.1292, 98.1220,
106.2972

■ 50.9447, 78.3889,
13.3372

94.4172, 98.7343,
108.6891

■ 48.8871, 77.3478,
12.3530

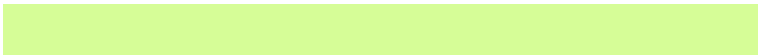
Harmonies

Analogous

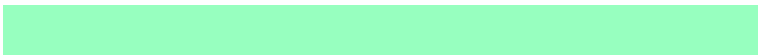
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1620, 86.7811, 35.5220



68.4427, 86.7811, 42.4213



60.3143, 86.7811, 62.7556

Triad

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



68.4427, 86.7811, 42.4213



70.4939, 86.7811, 183.5350



113.2062, 86.7811, 90.7375

Complementary

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



68.4427, 86.7811, 42.4213



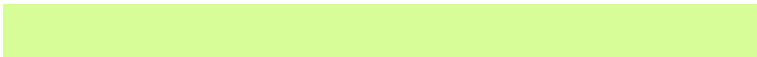
50.0351, 40.1747, 98.0509

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.



109.5098, 86.7811, 135.4432



68.4427, 86.7811, 42.4213



83.8179, 86.7811, 197.3604

Square

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



68.4427, 86.7811, 42.4213



61.3986, 86.7811, 143.9914



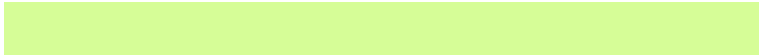
98.3226, 86.7811, 177.6778



107.9135, 86.7811, 57.8736

Rectangle

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



68.4427, 86.7811, 42.4213



58.0398, 86.7811, 84.8827



98.3226, 86.7811, 177.6778



112.9743, 86.7811, 104.7959

Sweetspot

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



68.4449, 86.7849, 42.4232



86.3341, 96.0314, 84.7914



64.1660, 59.2576, 37.3354



18.2891, 20.4678, 17.6389



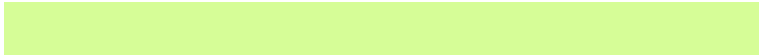
0.0000, 0.0000, 0.0000



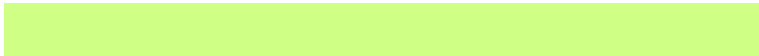
20.3446, 21.4041, 23.3091

Same Dimension

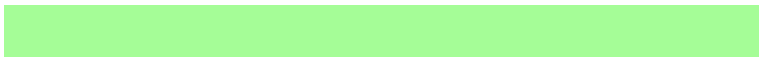
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4449, 86.7849, 42.4232



66.0331, 86.6405, 35.2887



56.1480, 80.4457, 41.8477



18.8490, 20.7236, 19.1509



26.1723, 41.2304, 6.5788



2.6702, 4.0773, 0.6463

Inverse Universe

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



50.0351, 40.1747, 98.0509



45.0672, 33.5179, 98.7020



64.5314, 47.6478, 98.7293



17.6596, 17.7163, 22.7388



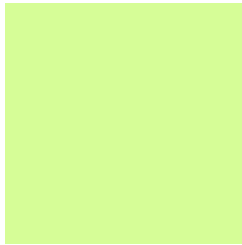
12.1894, 5.1943, 49.7947



1.3041, 0.5662, 4.8538

Previews

White Background



This preview shows how the XYZ color 68.4427, 86.7811, 42.4213 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 68.4427, 86.7811, 42.4213 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

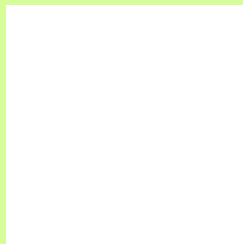
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4427, 86.7811, 42.4213

Background



This preview shows how black text looks on a background with the XYZ color 68.4427, 86.7811, 42.4213.

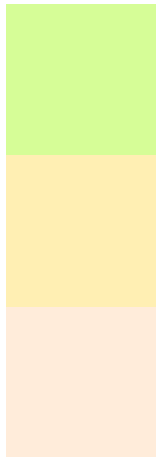


This preview shows how white text looks on a background with the XYZ color 68.4427, 86.7811,

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

68.4427, 86.7811, 42.4213

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

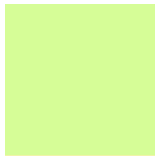
83.8903, 86.3129, 78.5682



Tritanopia

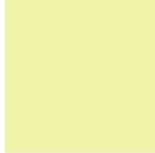
82.1651, 86.5291, 106.9790

Trichromacy



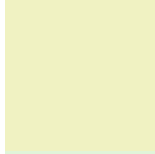
Original Color

68.4427, 86.7811, 42.4213



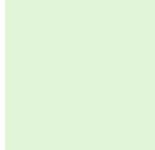
Protanomaly

75.4473, 86.0912, 50.1769



Deuteranomaly

77.4249, 85.9246, 63.5433



Tritanomaly

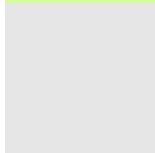
76.2281, 86.3221, 78.2898

Monochromacy



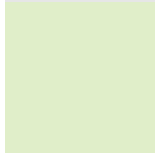
Original Color

68.4427, 86.7811, 42.4213



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.8576, 81.2134, 67.1468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4427, 86.7811, 42.4213 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(214, 253, 151)` looks like.

```
.text, #text, p{  
    color:rgb(214, 253, 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(214, 253, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 253, 151) }
```

Border

The CSS property to change the border of an element to XYZ 68.4427, 86.7811, 42.4213 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(214, 253, 151) }
```


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

```
.border{ border-color:rgb(214, 253, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 253, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 253, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 253, 151);  
box-shadow:4px 4px 4px 4px rgb(214, 253,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4427, 86.7811, 42.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 253, 151) }
```

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

```
.background{ background-color: rgb(214,  
253, 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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