

Converting Colors

XYZ(68.1480, 87.6000, 41.2922)

Have a look what the booklet for
XYZ(68.1480, 87.6000, 41.2922)
contains.

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Color

**XYZ(68.2567, 87.6552,
41.3386)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FF94
RGB	212, 255, 148
RGB Percent	83%, 100%, 58%
CMY	0.1686, 0.0000, 0.4196
CMYK	0.17, 0.00, 0.42, 0.00
HSL	84°, 100%, 79%
HSV	84°, 42%, 100%
XYZ	68.2567, 87.6552, 41.3386
YIQ	229.9450, 8.7190, -42.3930

Conversions

Conversions Part 2

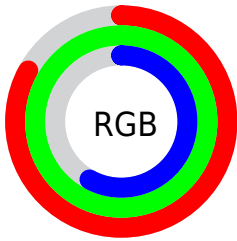
Format	Color
RYB	148, 255, 191
Decimal	13959060
CIELab	95.02, -30.76, 46.59
CIElCh	95, 55.826, 123.438
Yxy	87.6552, 0.3460, 0.4444
Android (android.graphics.Color)	4292149140 (0xFFD4FF94)
YUV	229.9450, -40.3989, -15.7378
Hunter-Lab	93.6244, -33.7075, 39.3583

Details

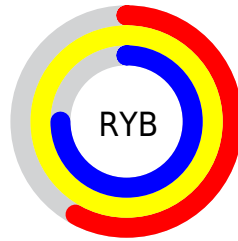
The XYZ color **68.2567, 87.6552, 41.3386** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.1269, 39.4775, 99.5857**, and the grayscale version is **75.4575, 79.3872, 86.4526**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **35.9699, 48.2823, 18.2501** is the 20% darker color. If you saturate the color by 10%, you get **63.5943, 85.4597, 31.7198**, and if you desaturate by 10%, it is **73.5519, 90.1255, 53.3102**.

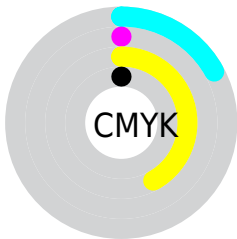
Distribution



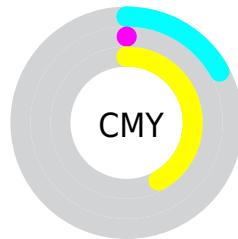
- Red (83%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2567, 87.6552, 41.3386 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 68.2567, 87.6552, 41.3386 by changing the saturation by 10% instead.


 68.2567, 87.6552,
41.3386


 68.2567, 87.6552,
41.3386


443.7675,
520.3734, 367.4523

 50.3810, 66.0376,
28.2621


 115.7592,
144.0770, 78.4569

 35.9353, 48.3029,
18.2825


 146.1167,
179.6500, 103.3357

 24.5541, 34.0668,
10.9815

181.3656,
220.6435, 132.9857

 15.8721, 22.9449,
5.9404


221.8712,
267.4420, 167.8254

 9.5240, 14.5528,
2.7407

267.9988,
320.4299, 208.2734

 5.1443, 8.5062,
0.9638

320.1138,

 2.3678, 4.4205,

379.9914, 254.7482

0.0000

378.5816,
446.5112, 307.6683

0.8290, 1.9115,
0.0000

0.0000, 0.5553,
0.0000

68.2567, 87.6552,
41.3386

68.2567, 87.6552,
41.3386

63.5943, 85.4597,
31.7198

73.5519, 90.1255,
53.3102

59.5308, 83.5250,
24.2943

79.5091, 92.8826,
67.7722

56.0298, 81.8362,
18.8891

86.1567, 95.9383,
84.8562

53.0497, 80.3762,
15.3032

93.5208, 99.3034,
104.6833

■ 50.5406, 79.1246, 95.0500, 100.0000,
13.2943 108.9000

■ 48.8067, 78.2458,
12.5306

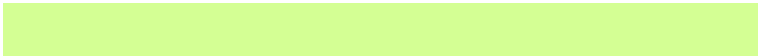
Harmonies

Analogous

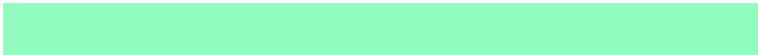
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5773, 87.6552, 33.9955



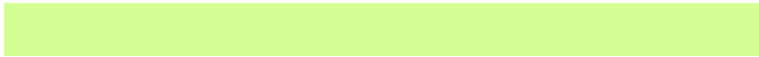
68.2567, 87.6552, 41.3386



59.8590, 87.6552, 62.7569

Triad

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



68.2567, 87.6552, 41.3386



70.9428, 87.6552, 191.3185



115.9419, 87.6552, 90.5211

Complementary

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



68.2567, 87.6552, 41.3386



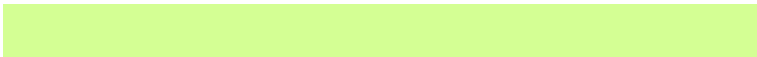
50.1269, 39.4775, 99.5857

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.



112.2116, 87.6552, 137.8673



68.2567, 87.6552, 41.3386



85.0744, 87.6552, 205.4265

Square

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



68.2567, 87.6552, 41.3386



61.2726, 87.6552, 149.2502



100.4364, 87.6552, 183.4674



110.0926, 87.6552, 56.4242

Rectangle

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



68.2567, 87.6552, 41.3386



57.5730, 87.6552, 86.2123



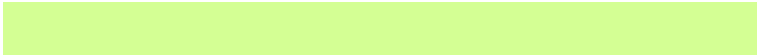
100.4364, 87.6552, 183.4674



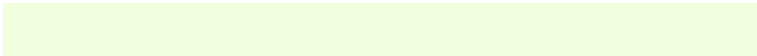
115.7692, 87.6552, 105.3071

Sweetspot

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



68.2570, 87.6553, 41.3399



85.4321, 95.6062, 82.9530



65.1731, 60.5734, 36.2751



17.9624, 20.3152, 16.9120



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.



68.2570, 87.6553, 41.3399



64.4597, 85.8689, 33.4269



55.3447, 80.9988, 40.7356



18.8136, 20.7054, 19.1493



25.6758, 40.9744, 6.5556



2.6235, 4.0532, 0.6441

Inverse Universe

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



50.1269, 39.4775, 99.5857



44.2343, 32.0809, 98.4686



66.0529, 47.6876, 100.3310



17.6940, 17.7340, 22.7404



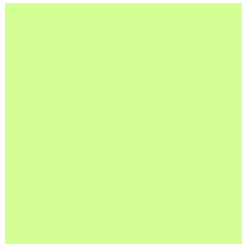
12.4807, 5.3445, 49.8084



1.3347, 0.5820, 4.8553

Previews

White Background



This preview shows how the XYZ color 68.2567, 87.6552, 41.3386 looks on a white background.

Color Contrast Check

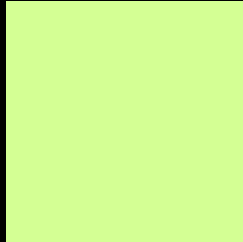
Large Text (above 18pt) WCAG AA × Fail

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 68.2567, 87.6552, 41.3386 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

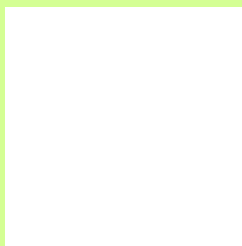
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2567, 87.6552, 41.3386

Background



This preview shows how black text looks on a background with the XYZ color 68.2567, 87.6552, 41.3386.

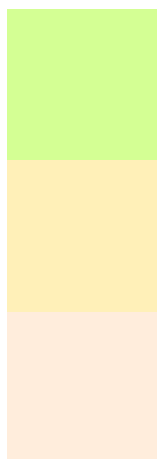


This preview shows how white text looks on a background with the XYZ color 68.2567, 87.6552,

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

68.2567, 87.6552, 41.3386

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

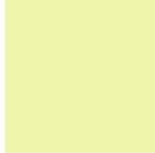
82.4603, 87.1195, 107.0774

Trichromacy



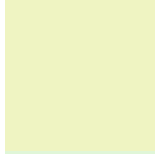
Original Color

68.2567, 87.6552, 41.3386



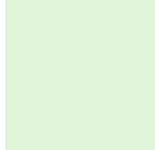
Protanomaly

75.5997, 86.5958, 51.2582



Deuteranomaly

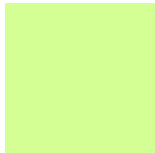
77.6849, 86.9471, 63.7270



Tritanomaly

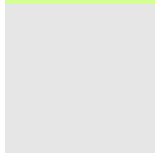
76.0909, 86.7167, 77.6933

Monochromacy



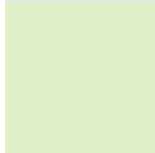
Original Color

68.2567, 87.6552, 41.3386



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.7233, 81.5911, 66.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2567, 87.6552, 41.3386 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(212, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 148)  
}
```

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(212, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 68.2567, 87.6552, 41.3386 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(212, 255, 148) }
```


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

```
.border{ border-color:rgb(212, 255, 148) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2567, 87.6552, 41.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 148) }
```

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

```
.background{ background-color: rgb(212,  
255, 148) }
```

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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