

Converting Colors

XYZ(84.4581, 120.3751,
49.4946)

Have a look what the booklet for
XYZ(84.4581, 120.3751, 49.4946)
contains.

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Color

**XYZ(67.8872, 87.4084,
43.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FF9A
RGB	209, 255, 154
RGB Percent	82%, 100%, 60%
CMY	0.1804, 0.0000, 0.3961
CMYK	0.18, 0.00, 0.40, 0.00
HSL	87°, 100%, 80%
HSV	87°, 40%, 100%
XYZ	67.8872, 87.4084, 43.8653
YIQ	229.7320, 5.0050, -41.1630

Conversions

Conversions Part 2

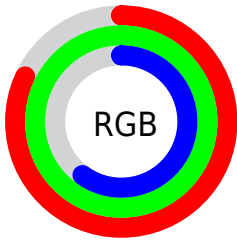
Format	Color
RYB	154, 255, 200
Decimal	13762458
CIELab	94.91, -31.12, 43.51
CIELCh	95, 53.498, 125.573
Yxy	87.4084, 0.3409, 0.4389
Android (android.graphics.Color)	4291952538 (0xFFD1FF9A)
YUV	229.7320, -37.3359, -18.1820
Hunter-Lab	93.4925, -33.9985, 37.6267

Details

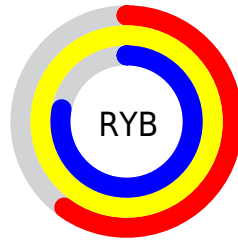
The XYZ color **67.8872, 87.4084, 43.8653** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.4262, 42.6119, 100.0168**, and the grayscale version is **75.2797, 79.2001, 86.2490**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **35.6799, 48.1001, 19.7156** is the 20% darker color. If you saturate the color by 10%, you get **62.8167, 85.0143, 33.6946**, and if you desaturate by 10%, it is **73.6491, 90.1067, 56.4256**.

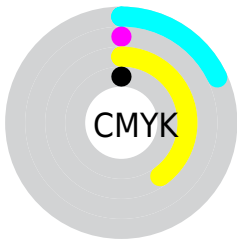
Distribution



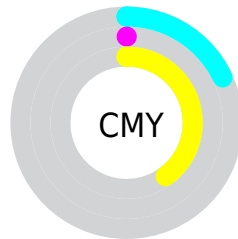
- Red (82%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8872, 87.4084, 43.8653 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 67.8872, 87.4084, 43.8653 by changing the saturation by 10% instead.


 67.8872, 87.4084,
43.8653


 67.8872, 87.4084,
43.8653


442.4793,
519.5639, 378.1836

 50.0793, 65.8332,
30.2282


 115.2336,
143.7332, 82.3153

 35.6945, 48.1370,
19.7584


 145.5027,
179.2517, 107.9653

 24.3673, 33.9354,
12.0372


180.6564,
220.1867, 138.4568

 15.7325, 22.8440,
6.6462

221.0599,
266.9227, 174.2081

 9.4247, 14.4784,
3.1667

267.0786,
319.8440, 215.6379

 5.0786, 8.4541,
1.1804

319.0778,

 2.3287, 4.3869,

379.3350, 263.1647

0.0000

377.4229,
445.7802, 317.2071

■ 0.8093, 1.8922,
0.0000

■ 0.0000, 0.5437,
0.0000

■ 67.8872, 87.4084,
43.8653

■ 67.8872, 87.4084,
43.8653

■ 62.8167, 85.0143,
33.6946

■ 73.6491, 90.1067,
56.4256

■ 58.4027, 82.9099,
25.7578

■ 80.1327, 93.1220,
71.5103

■ 54.6081, 81.0798,
19.8864

■ 87.3673, 96.4664,
89.2488

■ 51.3909, 79.5064,
15.8868

95.0500, 100.0000,
108.9000

■ 48.7015, 78.1694,
13.5284

■ 46.4657, 77.0384,
12.4497

■ 46.3839, 76.9968,
12.4172

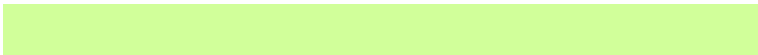
Harmonies

Analogous

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



80.3998, 87.4084, 35.7545



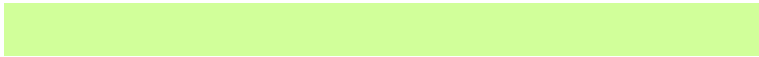
67.8872, 87.4084, 43.8653



60.1843, 87.4084, 65.8150

Triad

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



67.8872, 87.4084, 43.8653



72.0707, 87.4084, 187.9983



114.0446, 87.4084, 87.6247

Complementary

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



67.8872, 87.4084, 43.8653



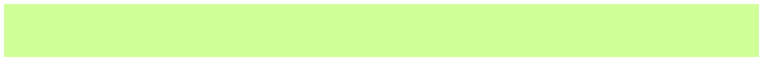
53.4262, 42.6119, 100.0168

Split Complementary

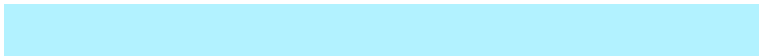
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.1486, 87.4084, 132.1739



67.8872, 87.4084, 43.8653



85.8172, 87.4084, 198.8632

Square

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



67.8872, 87.4084, 43.8653



62.3955, 87.4084, 149.6134



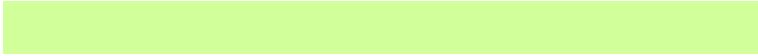
100.3834, 87.4084, 176.0487



107.8923, 87.4084, 55.8574

Rectangle

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



67.8872, 87.4084, 43.8653



58.2586, 87.4084, 89.1393



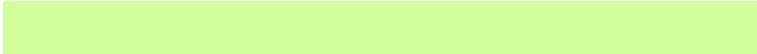
100.3834, 87.4084, 176.0487



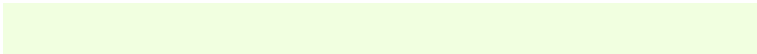
114.1046, 87.4084, 101.4728

Sweetspot

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



67.8875, 87.4085, 43.8666



85.5660, 95.6354, 84.7554



67.6004, 64.6481, 39.4885



18.1082, 20.3746, 17.6304



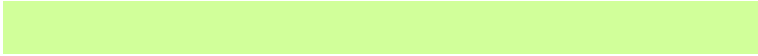
0.0000, 0.0000, 0.0000



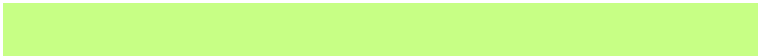
20.3446, 21.4041, 23.3091

Same Dimension

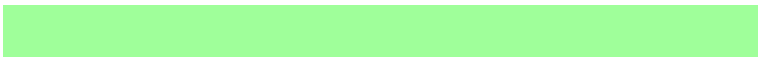
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8875, 87.4085, 43.8666



63.5862, 85.3791, 35.1741



55.9015, 81.2295, 43.3056



18.7169, 20.6555, 19.1448



24.4110, 40.3224, 6.4964



2.5028, 3.9910, 0.6384

Inverse Universe

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



53.4262, 42.6119, 100.0168



47.2077, 34.6213, 98.8022



69.0125, 50.6469, 100.7462



17.7889, 17.7829, 22.7448



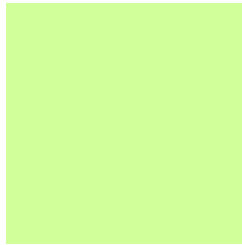
13.3719, 5.8039, 49.8501



1.4260, 0.6291, 4.8595

Previews

White Background



This preview shows how the XYZ color 67.8872, 87.4084, 43.8653 looks on a white background.

Color Contrast Check

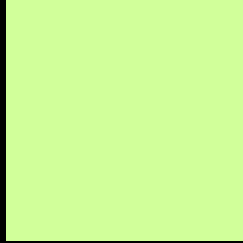
Large Text (above 18pt) WCAG AA × Fail

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 67.8872, 87.4084, 43.8653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

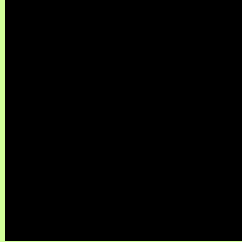
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

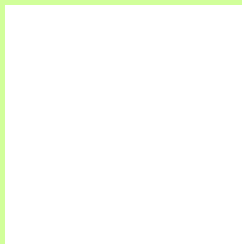
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8872, 87.4084, 43.8653

Background



This preview shows how black text looks on a background with the XYZ color 67.8872, 87.4084, 43.8653.

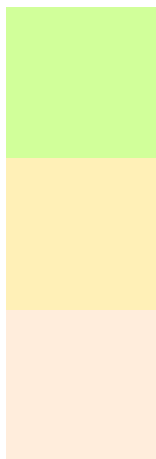


This preview shows how white text looks on a background with the XYZ color 67.8872, 87.4084,

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

67.8872, 87.4084, 43.8653

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

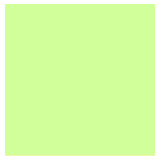
84.4425, 86.9957, 80.0514



Tritanopia

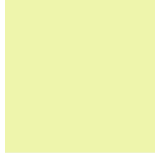
81.8184, 86.7886, 107.0473

Trichromacy



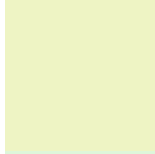
Original Color

67.8872, 87.4084, 43.8653



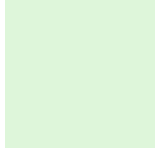
Protanomaly

75.3587, 86.4605, 51.7464



Deuteranomaly

77.5744, 86.8640, 64.9024



Tritanomaly

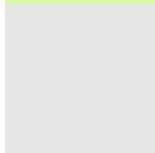
75.7349, 86.5031, 79.0348

Monochromacy



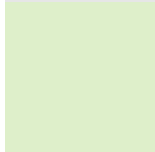
Original Color

67.8872, 87.4084, 43.8653



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.6514, 81.5269, 67.8369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8872, 87.4084, 43.8653 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(209, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 154)  
}
```

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(209, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 154) }
```

Border

The CSS property to change the border of an element to XYZ 67.8872, 87.4084, 43.8653 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(209, 255, 154) }
```


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

```
.border{ border-color:rgb(209, 255, 154) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8872, 87.4084, 43.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 154) }
```

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

```
.background{ background-color: rgb(209,  
255, 154) }
```

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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