

Converting Colors

XYZ(67.2644, 87.0969, 43.4032)

Have a look what the booklet for
XYZ(67.2644, 87.0969, 43.4032)
contains.

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Color

**XYZ(67.2419, 87.0853,
43.4021)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFF99
RGB	207, 255, 153
RGB Percent	81%, 100%, 60%
CMY	0.1882, 0.0000, 0.4000
CMYK	0.19, 0.00, 0.40, 0.00
HSL	88°, 100%, 80%
HSV	88°, 40%, 100%
XYZ	67.2419, 87.0853, 43.4021
YIQ	229.0200, 4.1340, -41.8980

Conversions

Conversions Part 2

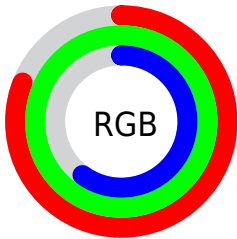
Format	Color
RYB	153, 255, 201
Decimal	13631385
CIELab	94.77, -31.95, 43.80
CIElCh	95, 54.216, 126.111
Yxy	87.0853, 0.3401, 0.4404
Android (android.graphics.Color)	4291821465 (0xFFCFFF99)
YUV	229.0200, -37.4779, -19.3115
Hunter-Lab	93.3195, -34.6899, 37.7484

Details

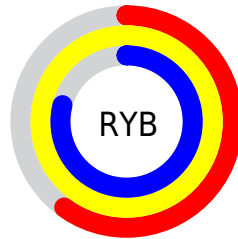
The XYZ color **67.2419, 87.0853, 43.4021** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.5298, 42.4213, 99.9745**, and the grayscale version is **74.7554, 78.6485, 85.6482**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.2568, 47.8876, 19.4416** is the 20% darker color. If you saturate the color by 10%, you get **62.1293, 84.6676, 33.3189**, and if you desaturate by 10%, it is **73.0601, 89.8148, 55.8700**.

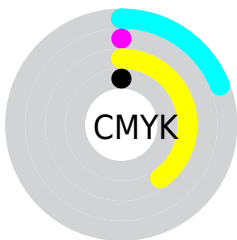
Distribution



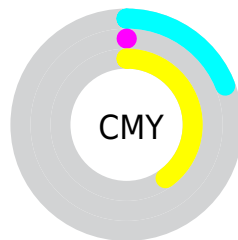
- Red (81%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (79%)



- Cyan (19%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2419, 87.0853, 43.4021 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 67.2419, 87.0853, 43.4021 by changing the saturation by 10% instead.

 67.2419, 87.0853,
43.4021


 67.2419, 87.0853,
43.4021


440.2243,
518.5031, 376.2325

 49.5527, 65.5658,
29.8670


 114.3148,
143.2830, 81.6101

 35.2744, 47.9200,
19.4865


 144.4293,
178.7300, 107.1202

 24.0418, 33.7635,
11.8420


179.4161,
219.5884, 137.4589

 15.4896, 22.7120,
6.5149

219.6407,
266.2424, 173.0450

 9.2522, 14.3810,
3.0868

265.4685,
319.0764, 214.2968

 4.9645, 8.3861,
1.1391

317.2648,

 2.2610, 4.3430,

378.4750, 261.6329

0.0000

375.3949,
444.8224, 315.4720

■ 0.7746, 1.8672,
0.0000

■ 0.0000, 0.5286,
0.0000

■ 67.2419, 87.0853,
43.4021

■ 67.2419, 87.0853,
43.4021

■ 62.1293, 84.6676,
33.3189

■ 73.0601, 89.8148,
55.8700

■ 57.6868, 82.5466,
25.4638

■ 79.6147, 92.8688,
70.8579

■ 53.8766, 80.7067,
19.6679

■ 86.9357, 96.2602,
88.4955

■ 50.6556, 79.1299,
15.7361

95.0500, 100.0000,
108.9000

■ 47.9734, 77.7953,
13.4359

■ 45.7515, 76.6708,
12.3877

■ 45.7513, 76.6707,
12.3876

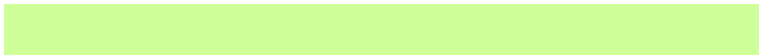
Harmonies

Analogous

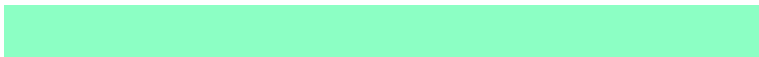
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8064, 87.0853, 35.0602



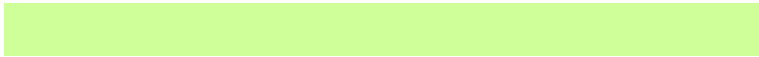
67.2419, 87.0853, 43.4021



59.5756, 87.0853, 65.7356

Triad

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



67.2419, 87.0853, 43.4021



71.8708, 87.0853, 189.4750



114.0917, 87.0853, 86.4815

Complementary

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



67.2419, 87.0853, 43.4021



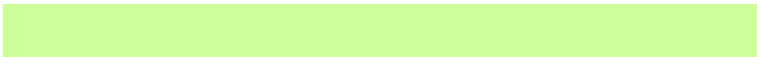
53.5298, 42.4213, 99.9745

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.



111.3213, 87.0853, 131.4248



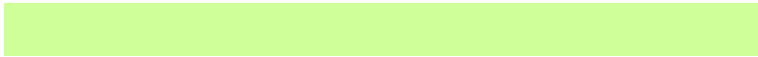
67.2419, 87.0853, 43.4021



85.8101, 87.0853, 199.9072

Square

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



67.2419, 87.0853, 43.4021



62.0191, 87.0853, 150.8177



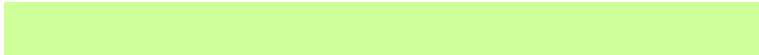
100.5261, 87.0853, 176.1611



107.7039, 87.0853, 54.7483

Rectangle

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



67.2419, 87.0853, 43.4021



57.7077, 87.0853, 89.4496



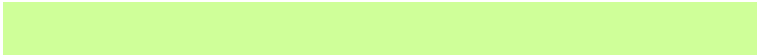
100.5261, 87.0853, 176.1611



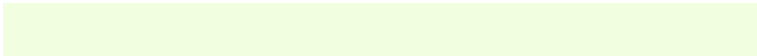
114.2098, 87.0853, 100.4034

Sweetspot

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



67.2422, 87.0855, 43.4034



85.4080, 95.5540, 84.7480



67.7839, 65.1477, 39.1404



18.0710, 20.3554, 17.6287



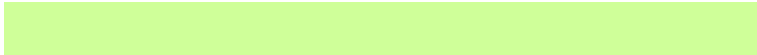
0.0000, 0.0000, 0.0000



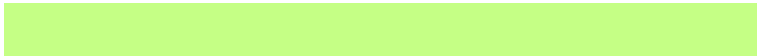
20.3446, 21.4041, 23.3091

Same Dimension

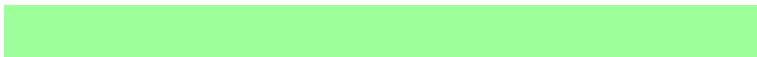
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2422, 87.0855, 43.4034



63.0966, 85.1266, 35.1512



55.2984, 80.9282, 42.8444



18.6897, 20.6414, 19.1435



24.0800, 40.1518, 6.4809



2.4708, 3.9745, 0.6369

Inverse Universe

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



53.5298, 42.4213, 99.9745



47.6684, 34.8588, 98.8238



69.4419, 50.6243, 100.7192



17.8159, 17.7968, 22.7461



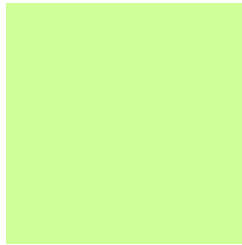
13.6481, 5.9464, 49.8630



1.4538, 0.6434, 4.8608

Previews

White Background



This preview shows how the XYZ color 67.2419, 87.0853, 43.4021 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 67.2419, 87.0853, 43.4021 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

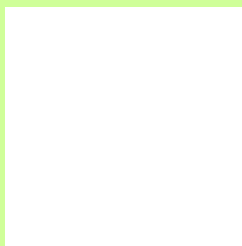
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2419, 87.0853, 43.4021

Background



This preview shows how black text looks on a background with the XYZ color 67.2419, 87.0853, 43.4021.

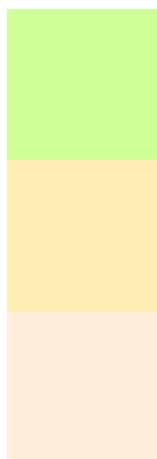


This preview shows how white text looks on a background with the XYZ color 67.2419, 87.0853,

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

67.2419, 87.0853, 43.4021

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

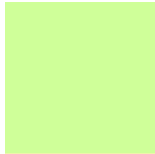
84.0216, 86.3654, 79.2596



Tritanopia

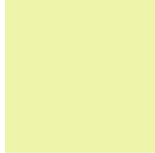
81.5002, 86.6246, 107.0324

Trichromacy



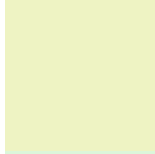
Original Color

67.2419, 87.0853, 43.4021



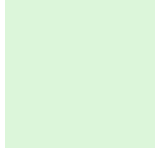
Protanomaly

75.2630, 86.4222, 51.2425



Deuteranomaly

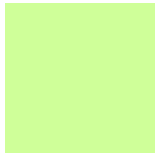
77.1608, 86.2185, 64.2048



Tritanomaly

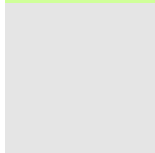
75.1259, 86.1891, 79.0063

Monochromacy



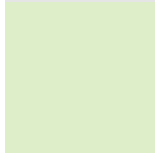
Original Color

67.2419, 87.0853, 43.4021



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.9359, 80.7383, 67.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2419, 87.0853, 43.4021 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(207, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 67.2419, 87.0853, 43.4021 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(207, 255, 153) }
```


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

```
.border{ border-color:rgb(207, 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(207, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2419, 87.0853, 43.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 153) }
```

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

```
.background{ background-color: rgb(207,  
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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