

Converting Colors

XYZ(69.4537, 90.5560, 51.3584)

Have a look what the booklet for
XYZ(69.4537, 90.5560, 51.3584)
contains.

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Color

**XYZ(67.8233, 87.2219,
50.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFA9
RGB	204, 255, 169
RGB Percent	80%, 100%, 66%
CMY	0.2000, 0.0000, 0.3372
CMYK	0.20, 0.00, 0.34, 0.00
HSL	96°, 100%, 83%
HSV	96°, 34%, 100%
XYZ	67.8233, 87.2219, 50.7970
YIQ	229.9470, -2.7900, -37.5580

Conversions

Conversions Part 2

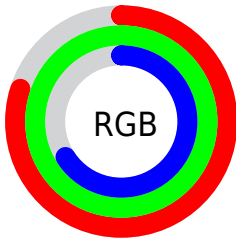
Format	Color
RYB	169, 255, 220
Decimal	13434793
CIELab	94.83, -30.92, 35.97
CIELCh	95, 47.438, 130.681
Yxy	87.2219, 0.3295, 0.4237
Android (android.graphics.Color)	4291624873 (0xFFCCFFA9)
YUV	229.9470, -30.0469, -22.7555
Hunter-Lab	93.3927, -33.8075, 33.1266

Details

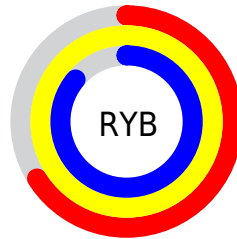
The XYZ color **67.8233, 87.2219, 50.7970** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.7542, 50.8129, 101.1608**, and the grayscale version is **75.3909, 79.3171, 86.3764**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **35.5592, 47.9450, 23.9031** is the 20% darker color. If you saturate the color by 10%, you get **61.7122, 84.3217, 39.2099**, and if you desaturate by 10%, it is **74.8047, 90.5168, 64.8643**.

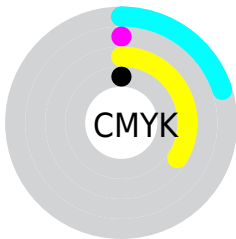
Distribution



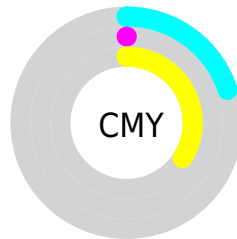
- Red (80%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8233, 87.2219, 50.7970 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 67.8233, 87.2219, 50.7970 by changing the saturation by 10% instead.


 67.8233, 87.2219,
50.7970

 67.8233, 87.2219,
50.7970


442.2563,
518.9517, 406.5986

 50.0271, 65.6789,
35.6715


 115.1426,
143.4734, 92.7631

 35.6529, 48.0118,
23.8929


145.3965,
178.9506, 120.4407

 24.3351, 33.8362,
15.0427


180.5337,
219.8414, 153.1394

 15.7084, 22.7678,
8.7024

220.9195,
266.5300, 191.2778

 9.4076, 14.4221,
4.4534

266.9193,
319.4010, 235.2743

 5.0672, 8.4148,
1.8773

318.8985,

 2.3219, 4.3615,

378.8387, 285.5476

0.4782

377.2223,
445.2275, 342.5162

■ 0.8058, 1.8778,
0.0000

■ 0.0000, 0.5350,
0.0000

■ 67.8233, 87.2219,
50.7970

■ 67.8233, 87.2219,
50.7970

■ 61.7122, 84.3217,
39.2099

■ 74.8047, 90.5168,
64.8643

■ 56.4315, 81.7988,
29.9549

■ 82.6910, 94.2215,
81.5403

■ 51.9394, 79.6351,
22.8744

■ 91.5165, 98.3507,
100.9493

■ 48.1897, 77.8107,
17.7897

95.0500, 100.0000,
108.9000

■ 45.1298, 76.3031,
14.4935

■ 42.6980, 75.0859,
12.7329

■ 41.4431, 74.4497,
12.1860

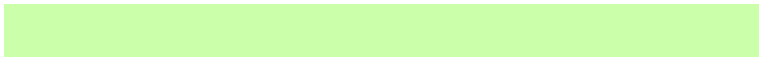
Harmonies

Analogous

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



78.4084, 87.2219, 41.0435



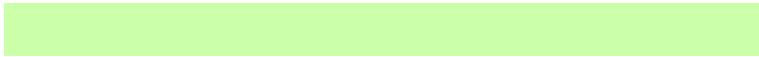
67.8233, 87.2219, 50.7970



61.7120, 87.2219, 73.4399

Triad

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



67.8233, 87.2219, 50.7970



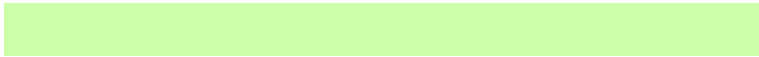
74.9970, 87.2219, 178.5722



109.6152, 87.2219, 82.4553

Complementary

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



67.8233, 87.2219, 50.7970



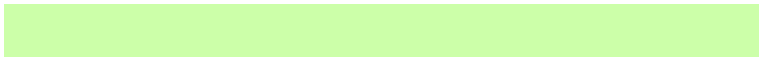
61.7542, 50.8129, 101.1608

Split Complementary

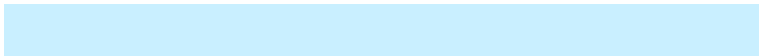
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.4594, 87.2219, 120.3432



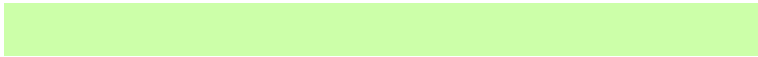
67.8233, 87.2219, 50.7970



87.5636, 87.2219, 182.8059

Square

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



67.8233, 87.2219, 50.7970



65.5483, 87.2219, 148.9360



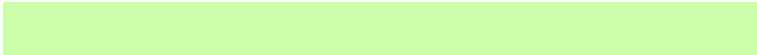
100.0643, 87.2219, 159.3379



103.0759, 87.2219, 55.9243

Rectangle

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



67.8233, 87.2219, 50.7970



60.5782, 87.2219, 95.8125



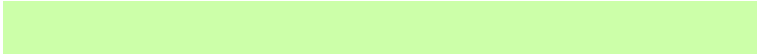
100.0643, 87.2219, 159.3379



110.1293, 87.2219, 94.1321

Sweetspot

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



67.8238, 87.2222, 50.7983



85.8665, 95.7090, 88.4433



73.7770, 74.8753, 48.1013



18.1192, 20.3640, 18.3634



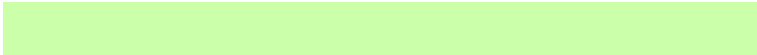
0.0000, 0.0000, 0.0000



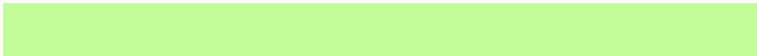
20.3446, 21.4041, 23.3091

Same Dimension

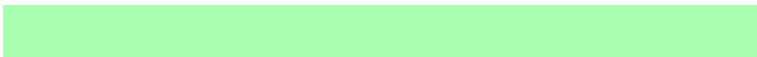
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8238, 87.2222, 50.7983



63.8892, 85.3569, 43.2452



59.9760, 83.0966, 54.0403



18.4715, 20.5290, 19.1333



21.8136, 38.9834, 6.3749



2.2439, 3.8575, 0.6263

Inverse Universe

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



61.7542, 50.8129, 101.1608



57.0239, 44.2219, 100.1379



72.3459, 56.4039, 95.7456



18.0359, 17.9102, 22.7564



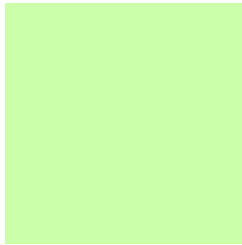
16.2954, 7.3111, 49.9869



1.7105, 0.7757, 4.8728

Previews

White Background



This preview shows how the XYZ color 67.8233, 87.2219, 50.7970 looks on a white background.

Color Contrast Check

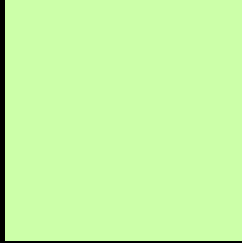
Large Text (above 18pt) WCAG AA × Fail

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 67.8233, 87.2219, 50.7970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

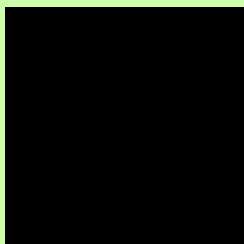
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

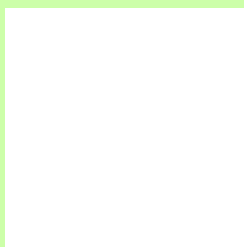
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8233, 87.2219, 50.7970

Background



This preview shows how black text looks on a background with the XYZ color 67.8233, 87.2219, 50.7970.

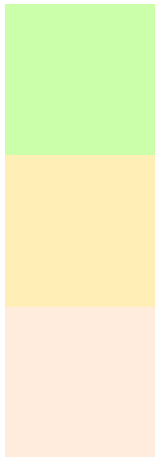


This preview shows how white text looks on a background with the XYZ color 67.8233, 87.2219,

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

67.8233, 87.2219, 50.7970

Protanopia

80.6537, 86.4119, 57.2280

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

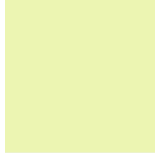
81.1662, 86.8930, 107.1019

Trichromacy



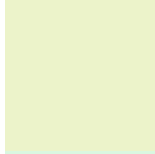
Original Color

67.8233, 87.2219, 50.7970



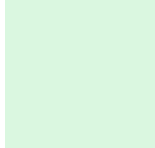
Protanomaly

75.2804, 86.3520, 54.8194



Deuteranomaly

77.3033, 86.1983, 68.4407



Tritanomaly

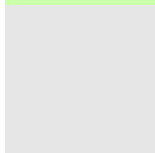
75.6288, 86.8088, 83.2907

Monochromacy



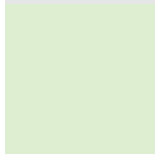
Original Color

67.8233, 87.2219, 50.7970



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0705, 81.6592, 71.6378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8233, 87.2219, 50.7970 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(204, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 169)  
}
```

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(204, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 67.8233, 87.2219, 50.7970 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(204, 255, 169) }
```


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

```
.border{ border-color:rgb(204, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8233, 87.2219, 50.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 169) }
```

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

```
.background{ background-color: rgb(204,  
255, 169) }
```

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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