

Converting Colors

XYZ(76.1569, 104.0680,
44.0229)

Have a look what the booklet for
XYZ(76.1569, 104.0680, 44.0229)
contains.

XYZ(67.9693, 87.5070, 41.3252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.9693, 87.5070,
41.3252)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF94
RGB	211, 255, 148
RGB Percent	83%, 100%, 58%
CMY	0.1725, 0.0000, 0.4196
CMYK	0.17, 0.00, 0.42, 0.00
HSL	85°, 100%, 79%
HSV	85°, 42%, 100%
XYZ	67.9693, 87.5070, 41.3252
YIQ	229.6460, 8.1230, -42.6050

Conversions

Conversions Part 2

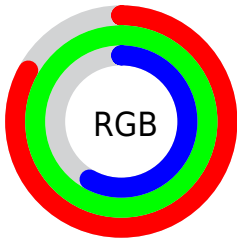
Format	Color
RYB	148, 255, 192
Decimal	13893524
CIELab	94.95, -31.12, 46.49
CIELCh	95, 55.948, 123.797
Yxy	87.5070, 0.3454, 0.4446
Android (android.graphics.Color)	4292083604 (0xFFD3FF94)
YUV	229.6460, -40.2515, -16.3525
Hunter-Lab	93.5452, -34.0072, 39.2892

Details

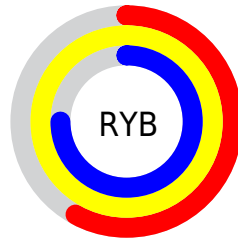
The XYZ color **67.9693, 87.5070, 41.3252** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.3793, 39.6076, 99.5975**, and the grayscale version is **75.2354, 79.1535, 86.1982**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **35.7772, 48.1830, 18.2411** is the 20% darker color. If you saturate the color by 10%, you get **63.2611, 85.2879, 31.7042**, and if you desaturate by 10%, it is **73.3188, 90.0053, 53.2993**.

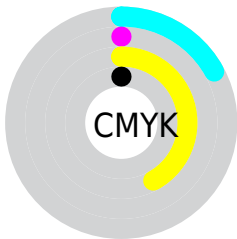
Distribution



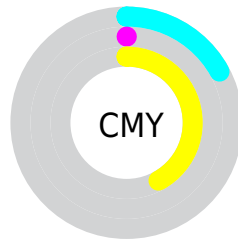
- Red (83%)
- Green (100%)
- Blue (58%)



- 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 67.9693, 87.5070, 41.3252 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 67.9693, 87.5070, 41.3252 by changing the saturation by 10% instead.


 67.9693, 87.5070,
41.3252


 67.9693, 87.5070,
41.3252


442.7657,
519.8874, 367.3948

 50.1463, 65.9149,
28.2517


 115.3504,
143.8706, 78.4363

 35.7480, 48.2033,
18.2748


 145.6392,
179.4108, 103.3110

 24.4088, 33.9879,
10.9760


180.8140,
220.3693, 132.9565

 15.7635, 22.8843,
5.9367

221.2402,
267.1302, 167.7913

 9.4468, 14.5081,
2.7385

267.2831,
320.0781, 208.2340

 5.0931, 8.4749,
0.9627

319.3081,

 2.3373, 4.4003,

379.5973, 254.7031

0.0000

377.6805,
446.0723, 307.6172

■ 0.8137, 1.8999,
0.0000

■ 0.0000, 0.5483,
0.0000

■ 67.9693, 87.5070,
41.3252

■ 67.9693, 87.5070,
41.3252

■ 63.2611, 85.2879,
31.7042

■ 73.3188, 90.0053,
53.2993

■ 59.1600, 83.3339,
24.2770

■ 79.3390, 92.7949,
67.7643

■ 55.6294, 81.6298,
18.8704

■ 86.0586, 95.8877,
84.8517

■ 52.6273, 80.1584,
15.2835

■ 93.5039, 99.2947,
104.6827

■ 50.1036, 78.8993, 95.0500, 100.0000,
13.2739 108.9000

■ 48.3631, 78.0171,
12.5098

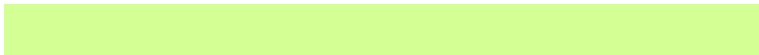
Harmonies

Analogous

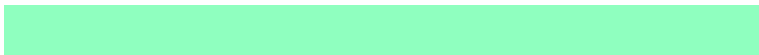
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2547, 87.5070, 33.8396



67.9693, 87.5070, 41.3252



59.6351, 87.5070, 62.9287

Triad

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



67.9693, 87.5070, 41.3252



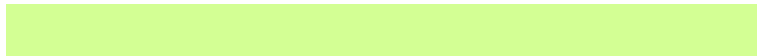
70.9380, 87.5070, 191.6927



115.8312, 87.5070, 89.8507

Complementary

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



67.9693, 87.5070, 41.3252



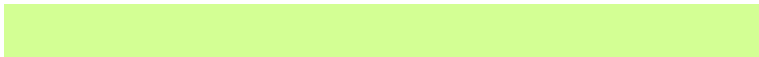
50.3793, 39.6076, 99.5975

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.



112.2086, 87.5070, 137.1658



67.9693, 87.5070, 41.3252



85.1208, 87.5070, 205.4063

Square

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



67.9693, 87.5070, 41.3252



61.1971, 87.5070, 149.7578



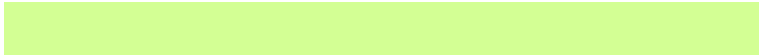
100.4895, 87.5070, 183.0047



109.8650, 87.5070, 55.9331

Rectangle

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



67.9693, 87.5070, 41.3252



57.3975, 87.5070, 86.5297



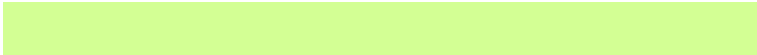
100.4895, 87.5070, 183.0047



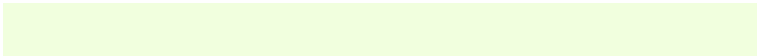
115.6981, 87.5070, 104.6017

Sweetspot

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



67.9696, 87.5072, 41.3265



85.3261, 95.5515, 82.9480



65.1732, 60.5735, 36.2751



17.9362, 20.3017, 16.9108



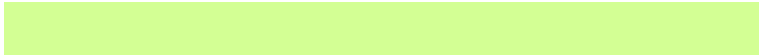
0.0000, 0.0000, 0.0000



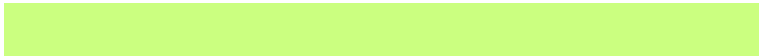
20.3446, 21.4041, 23.3091

Same Dimension

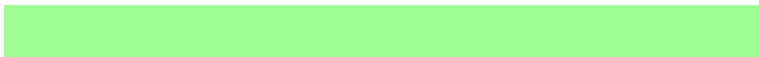
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9696, 87.5072, 41.3265



64.1348, 85.7015, 33.4117



55.3447, 80.9988, 40.7356



18.7967, 20.6966, 19.1485



25.4445, 40.8552, 6.5448



2.6016, 4.0419, 0.6431

Inverse Universe

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



50.3793, 39.6076, 99.5975



44.5104, 32.2232, 98.4815



66.0529, 47.6877, 100.3310



17.7105, 17.7425, 22.7411



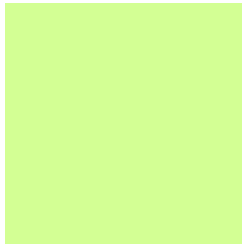
12.6266, 5.4198, 49.8152



1.3498, 0.5898, 4.8560

Previews

White Background



This preview shows how the XYZ color 67.9693, 87.5070, 41.3252 looks on a white background.

Color Contrast Check

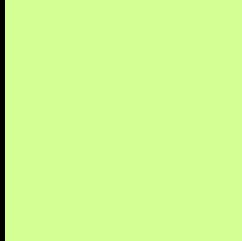
Large Text (above 18pt) WCAG AA × Fail

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 67.9693, 87.5070, 41.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

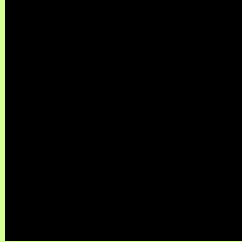
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

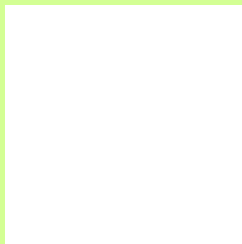
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9693, 87.5070, 41.3252

Background



This preview shows how black text looks on a background with the XYZ color 67.9693, 87.5070, 41.3252.

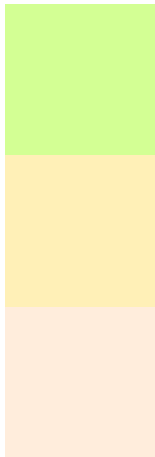


This preview shows how white text looks on a background with the XYZ color 67.9693, 87.5070,

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

67.9693, 87.5070, 41.3252

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

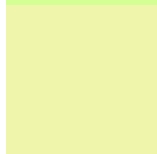
82.4603, 87.1195, 107.0774

Trichromacy



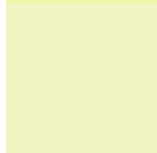
Original Color

67.9693, 87.5070, 41.3252



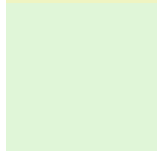
Protanomaly

75.5047, 86.5578, 50.7580



Deuteranomaly

77.6849, 86.9471, 63.7270



Tritanomaly

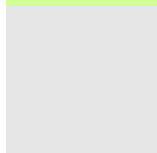
76.0909, 86.7167, 77.6933

Monochromacy



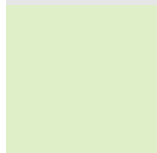
Original Color

67.9693, 87.5070, 41.3252



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 67.9693, 87.5070, 41.3252 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(211, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 67.9693, 87.5070, 41.3252 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(211, 255, 148) }
```


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

```
.border{ border-color:rgb(211, 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(211, 255, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9693, 87.5070, 41.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 148) }
```

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

```
.background{ background-color: rgb(211,  
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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