

Converting Colors

XYZ(68.5301, 87.7470, 43.5725)

Have a look what the booklet for
XYZ(68.5301, 87.7470, 43.5725)
contains.

XYZ(68.3737, 87.6688, 43.4551)	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(68.3737, 87.6688,
43.4551)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF99
RGB	211, 255, 153
RGB Percent	83%, 100%, 60%
CMY	0.1725, 0.0000, 0.4000
CMYK	0.17, 0.00, 0.40, 0.00
HSL	86°, 100%, 80%
HSV	86°, 40%, 100%
XYZ	68.3737, 87.6688, 43.4551
YIQ	230.2160, 6.5180, -41.0500

Conversions

Conversions Part 2

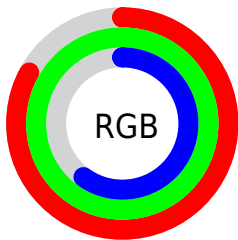
Format	Color
RYB	153, 255, 197
Decimal	13893529
CIELab	95.02, -30.53, 44.17
CIElCh	95, 53.691, 124.656
Yxy	87.6688, 0.3427, 0.4394
Android (android.graphics.Color)	4292083609 (0xFFD3FF99)
YUV	230.2160, -38.0675, -16.8524
Hunter-Lab	93.6316, -33.5072, 38.0252

Details

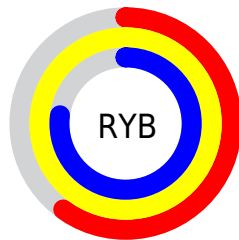
The XYZ color **68.3737, 87.6688, 43.4551** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.4684, 41.8741, 99.9249**, and the grayscale version is **75.6429, 79.5822, 86.6650**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **36.0119, 48.2768, 19.4769** is the 20% darker color. If you saturate the color by 10%, you get **63.4430, 85.3448, 33.3804**, and if you desaturate by 10%, it is **73.9708, 90.2842, 55.9127**.

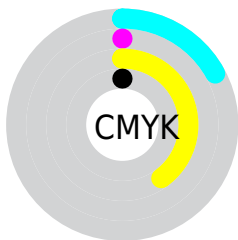
Distribution



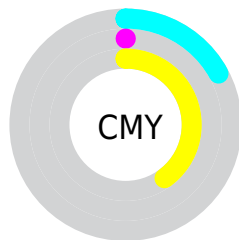
- Red (83%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3737, 87.6688, 43.4551 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 68.3737, 87.6688, 43.4551 by changing the saturation by 10% instead.


 68.3737, 87.6688,
43.4551


 68.3737, 87.6688,
43.4551


444.1749,
520.4180, 376.4561

 50.4766, 66.0488,
29.9083


 115.9256,
144.0960, 81.6909

 36.0116, 48.3120,
19.5175


 146.3110,
179.6719, 107.2170

 24.6133, 34.0741,
11.8643


181.5900,
220.6687, 137.5732

 15.9164, 22.9505,
6.5299

222.1279,
267.4706, 173.1782

 9.5555, 14.5570,
3.0959

268.2899,
320.4621, 214.4504

 5.1652, 8.5090,
1.1438

320.4415,

 2.3803, 4.4224,

380.0276, 261.8085

0.0000

378.9481,
446.5514, 315.6708

0.8353, 1.9125,
0.0000

0.0000, 0.5559,
0.0000

68.3737, 87.6688,
43.4551

68.3737, 87.6688,
43.4551

63.4430, 85.3448,
33.3804

73.9708, 90.2842,
55.9127

59.1446, 83.2981,
25.5320

80.2639, 93.2035,
70.8883

55.4420, 81.5137,
19.7411

87.2818, 96.4386,
88.5117

52.2937, 79.9744,
15.8127

95.0500, 100.0000,
108.9000

■ 49.6510, 78.6602,
13.5145

■ 47.4368, 77.5396,
12.4665

■ 47.4365, 77.5395,
12.4665

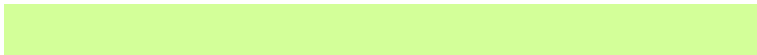
Harmonies

Analogous

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



81.0708, 87.6688, 35.6930



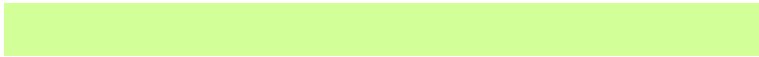
68.3737, 87.6688, 43.4551



60.4623, 87.6688, 65.0358

Triad

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



68.3737, 87.6688, 43.4551



71.8881, 87.6688, 188.0073



114.5238, 87.6688, 89.0842

Complementary

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



68.3737, 87.6688, 43.4551



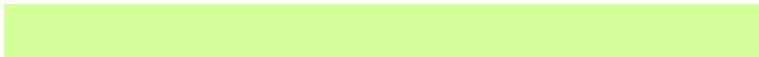
52.4684, 41.8741, 99.9249

Split Complementary

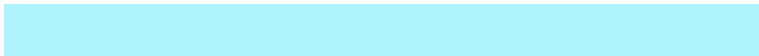
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3313, 87.6688, 134.1339



68.3737, 87.6688, 43.4551



85.6238, 87.6688, 199.9843

Square

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



68.3737, 87.6688, 43.4551



62.3192, 87.6688, 148.8052



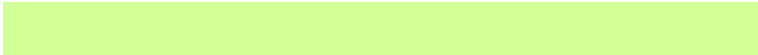
100.3145, 87.6688, 177.9484



108.5925, 87.6688, 56.6784

Rectangle

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



68.3737, 87.6688, 43.4551



58.4047, 87.6688, 88.1685



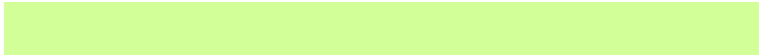
100.3145, 87.6688, 177.9484



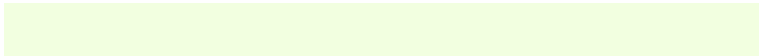
114.4875, 87.6688, 103.1353

Sweetspot

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



68.3740, 87.6689, 43.4564



85.8181, 95.7654, 84.7672



66.6177, 62.8154, 38.7517



18.1675, 20.4052, 17.6332



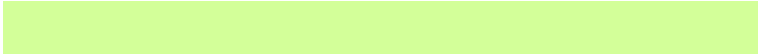
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

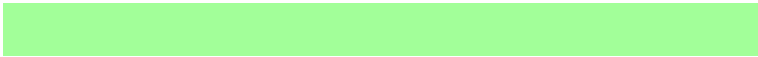
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3740, 87.6689, 43.4564



64.3769, 85.7867, 35.2112



56.3095, 81.4494, 42.8918



18.7603, 20.6778, 19.1468



24.9611, 40.6060, 6.5222



2.5556, 4.0182, 0.6409

Inverse Universe

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



52.4684, 41.8741, 99.9249



46.4874, 34.2500, 98.7685



67.6235, 49.6868, 100.6341



17.7462, 17.7609, 22.7428



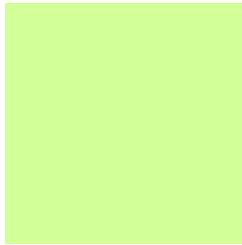
12.9550, 5.5890, 49.8306



1.3837, 0.6072, 4.8576

Previews

White Background



This preview shows how the XYZ color 68.3737, 87.6688, 43.4551 looks on a white background.

Color Contrast Check

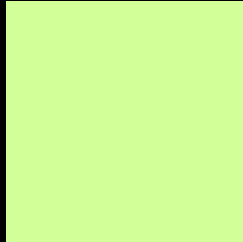
Large Text (above 18pt) WCAG AA × Fail

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 68.3737, 87.6688, 43.4551 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

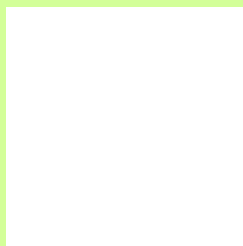
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3737, 87.6688, 43.4551

Background



This preview shows how black text looks on a background with the XYZ color 68.3737, 87.6688, 43.4551.

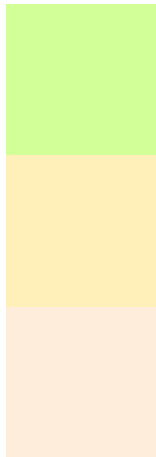


This preview shows how white text looks on a background with the XYZ color 68.3737, 87.6688,

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

68.3737, 87.6688, 43.4551

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

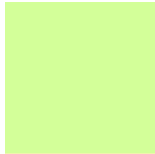
84.4425, 86.9957, 80.0514



Tritanopia

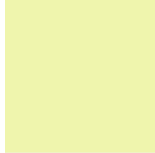
82.4603, 87.1195, 107.0774

Trichromacy



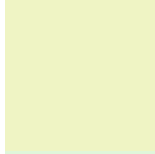
Original Color

68.3737, 87.6688, 43.4551



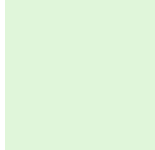
Protanomaly

75.7918, 86.6727, 52.2700



Deuteranomaly

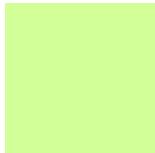
77.9111, 87.0376, 64.9181



Tritanomaly

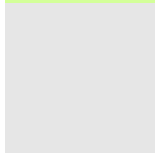
76.3511, 86.8208, 79.0636

Monochromacy



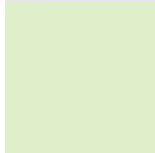
Original Color

68.3737, 87.6688, 43.4551



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9586, 81.6852, 67.8513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3737, 87.6688, 43.4551 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.3737, 87.6688, 43.4551 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, 153) }
```


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

```
.border{ border-color:rgb(211, 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(211, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3737, 87.6688, 43.4551 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, 153) }
```

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

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