

Converting Colors

XYZ(68.3721, 87.6433, 44.5684)

Have a look what the booklet for
XYZ(68.3721, 87.6433, 44.5684)
contains.

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Color

**XYZ(68.3391, 87.6219,
44.7634)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF9C
RGB	210, 255, 156
RGB Percent	82%, 100%, 61%
CMY	0.1765, 0.0000, 0.3882
CMYK	0.18, 0.00, 0.39, 0.00
HSL	87°, 100%, 81%
HSV	87°, 39%, 100%
XYZ	68.3391, 87.6219, 44.7634
YIQ	230.2590, 4.9590, -40.3290

Conversions

Conversions Part 2

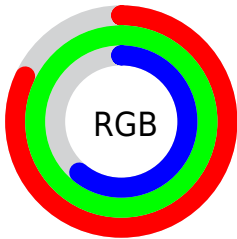
Format	Color
RYB	156, 255, 201
Decimal	13827996
CIELab	95.00, -30.52, 42.67
CIELCh	95, 52.461, 125.577
Yxy	87.6219, 0.3405, 0.4365
Android (android.graphics.Color)	4292018076 (0xFFD2FF9C)
YUV	230.2590, -36.6097, -17.7671
Hunter-Lab	93.6066, -33.4945, 37.1717

Details

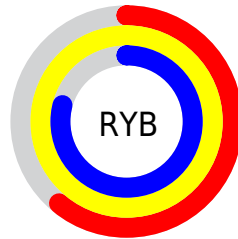
The XYZ color **68.3391, 87.6219, 44.7634** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.0270, 43.4158, 100.1403**, and the grayscale version is **75.6652, 79.6057, 86.6906**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **35.9687, 48.2375, 20.2470** is the 20% darker color. If you saturate the color by 10%, you get **63.2199, 85.2067, 34.4110**, and if you desaturate by 10%, it is **74.1515, 90.3421, 57.5167**.

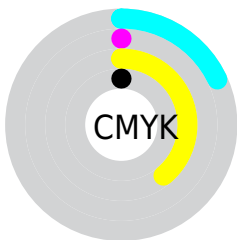
Distribution



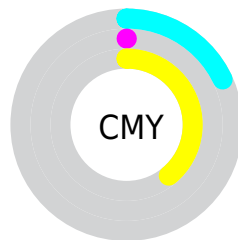
- Red (82%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (79%)



- Cyan (18%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3391, 87.6219, 44.7634 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 68.3391, 87.6219, 44.7634 by changing the saturation by 10% instead.


 68.3391, 87.6219,
44.7634


 68.3391, 87.6219,
44.7634

444.0544,
520.2642, 381.9466

 50.4483, 66.0100,
30.9295


 115.8764,
144.0306, 83.6799

 35.9890, 48.2805,
20.2872


 146.2536,
179.5963, 109.5997

 24.5958, 34.0491,
12.4178


181.5237,
220.5819, 140.3851

 15.9033, 22.9313,
6.9029

222.0520,
267.3720, 176.4548

 9.5462, 14.5428,
3.3239

268.2038,
320.3508, 218.2272

 5.1590, 8.4991,
1.2623

320.3446,

 2.3766, 4.4160,

379.9029, 266.1210

0.0306

378.8397,
446.4126, 320.5546

■ 0.8334, 1.9089,
0.0000

■ 0.0000, 0.5537,
0.0000

■ 68.3391, 87.6219,
44.7634

■ 68.3391, 87.6219,
44.7634

■ 63.2199, 85.2067,
34.4110

■ 74.1515, 90.3421,
57.5167

■ 58.7590, 83.0819,
26.3049

■ 80.6868, 93.3795,
72.8048

■ 54.9199, 81.2321,
20.2783

■ 87.9744, 96.7466,
90.7563

■ 51.6607, 79.6402,
16.1397

95.0500, 100.0000,
108.9000

■ 48.9329, 78.2860,
13.6621

■ 46.6683, 77.1415,
12.5164

■ 46.4223, 77.0166,
12.4190

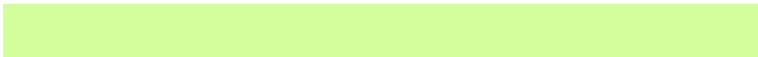
Harmonies

Analogous

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



80.6481, 87.6219, 36.6862



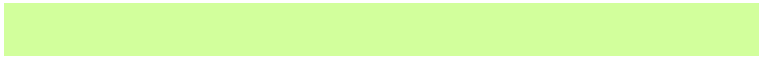
68.3391, 87.6219, 44.7634



60.7461, 87.6219, 66.5035

Triad

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



68.3391, 87.6219, 44.7634



72.4608, 87.6219, 186.1535



113.6305, 87.6219, 87.9824

Complementary

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



68.3391, 87.6219, 44.7634



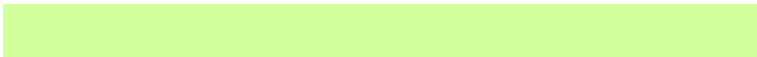
54.0270, 43.4158, 100.1403

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.



110.7983, 87.6219, 131.6606



68.3391, 87.6219, 44.7634



85.9726, 87.6219, 196.7303

Square

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



68.3391, 87.6219, 44.7634



62.9289, 87.6219, 148.7169



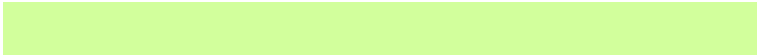
100.2583, 87.6219, 174.5005



107.6091, 87.6219, 56.6526

Rectangle

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



68.3391, 87.6219, 44.7634



58.8460, 87.6219, 89.4815



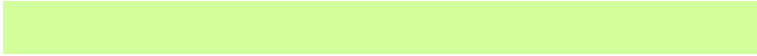
100.2583, 87.6219, 174.5005



113.6896, 87.6219, 101.5851

Sweetspot

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



68.3395, 87.6221, 44.7647



85.5755, 95.6403, 84.7559



68.0233, 65.2249, 40.4583



18.1104, 20.3757, 17.6305



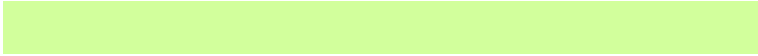
0.0000, 0.0000, 0.0000



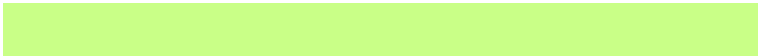
20.3446, 21.4041, 23.3091

Same Dimension

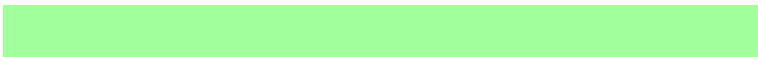
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3395, 87.6221, 44.7647



64.1027, 85.6248, 36.1258



56.4494, 81.4926, 44.2082



18.7185, 20.6563, 19.1448



24.4311, 40.3328, 6.4974



2.5048, 3.9920, 0.6385

Inverse Universe

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



54.0270, 43.4158, 100.1403



47.8774, 35.4892, 98.9344



69.3813, 51.3312, 100.8589



17.7873, 17.7821, 22.7447



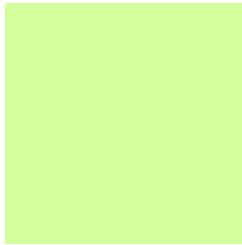
13.3558, 5.7956, 49.8493



1.4244, 0.6282, 4.8595

Previews

White Background



This preview shows how the XYZ color 68.3391, 87.6219, 44.7634 looks on a white background.

Color Contrast Check

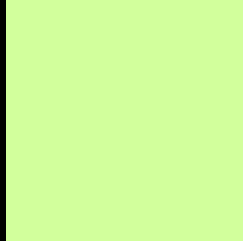
Large Text (above 18pt) WCAG AA × Fail

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 68.3391, 87.6219, 44.7634 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

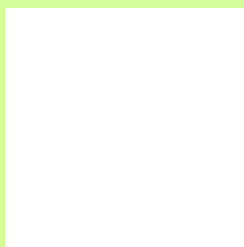
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3391, 87.6219, 44.7634

Background



This preview shows how black text looks on a background with the XYZ color 68.3391, 87.6219, 44.7634.



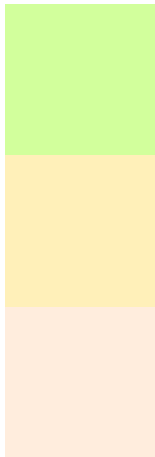
This preview shows how white text looks on a background with the XYZ color 68.3391, 87.6219,

44.7634.

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

68.3391, 87.6219, 44.7634

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

84.5753, 87.0488, 80.7511



Tritanopia

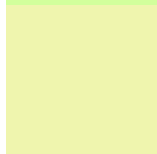
82.4353, 87.5473, 107.1612

Trichromacy



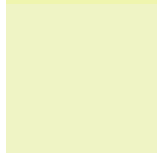
Original Color

68.3391, 87.6219, 44.7634



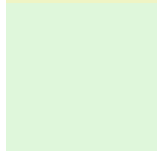
Protanomaly

75.8890, 86.7115, 52.7816



Deuteranomaly

78.0253, 87.0833, 65.5197



Tritanomaly

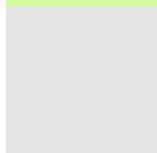
76.4784, 87.3240, 79.8422

Monochromacy



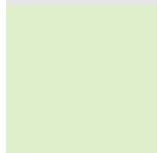
Original Color

68.3391, 87.6219, 44.7634



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0774, 81.7328, 68.4770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3391, 87.6219, 44.7634 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(210, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 156)  
}
```

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(210, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 156) }
```

Border

The CSS property to change the border of an element to XYZ 68.3391, 87.6219, 44.7634 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(210, 255, 156) }
```


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

```
.border{ border-color:rgb(210, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3391, 87.6219, 44.7634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 156) }
```

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

```
.background{ background-color: rgb(210,  
255, 156) }
```

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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