

Converting Colors

XYZ(73.2566, 100.0000,
37.4813)

Have a look what the booklet for
XYZ(73.2566, 100.0000, 37.4813)
contains.

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Color

**XYZ(66.8576, 87.0623,
35.4712)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF85
RGB	211, 255, 133
RGB Percent	83%, 100%, 52%
CMY	0.1725, 0.0000, 0.4784
CMYK	0.17, 0.00, 0.48, 0.00
HSL	82°, 100%, 76%
HSV	82°, 48%, 100%
XYZ	66.8576, 87.0623, 35.4712
YIQ	227.9360, 12.9380, -47.2700

Conversions

Conversions Part 2

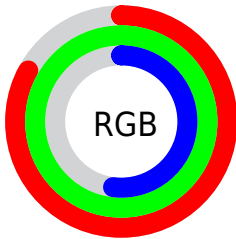
Format	Color
RYB	133, 255, 177
Decimal	13893509
CIELab	94.76, -32.76, 53.36
CIElCh	95, 62.613, 121.549
Yxy	87.0623, 0.3530, 0.4597
Android (android.graphics.Color)	4292083589 (0xFFD3FF85)
YUV	227.9360, -46.8034, -14.8529
Hunter-Lab	93.3072, -35.3866, 42.7756

Details

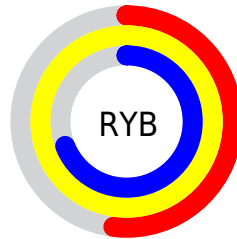
The XYZ color **66.8576, 87.0623, 35.4712** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.5702, 33.3434, 98.6946**, and the grayscale version is **74.0204, 77.8752, 84.8061**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **34.9685, 47.8374, 14.9799** is the 20% darker color. If you saturate the color by 10%, you get **62.7443, 85.1213, 27.1722**, and if you desaturate by 10%, it is **71.5499, 89.2524, 46.0317**.

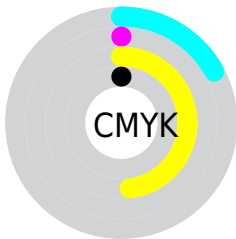
Distribution



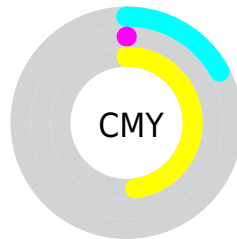
- Red (83%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8576, 87.0623, 35.4712 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 66.8576, 87.0623, 35.4712 by changing the saturation by 10% instead.


 66.8576, 87.0623,
35.4712


 66.8576, 87.0623,
35.4712


438.8782,
518.4276, 341.6106


 49.2392, 65.5468,
23.7396


 113.7673,
143.2510, 69.3749

 35.0246, 47.9046,
14.9302


 143.7892,
178.6929, 92.3841

 23.8484, 33.7513,
8.6243


 178.6764,
219.5457, 119.9897

 15.3453, 22.7026,
4.4035


218.7942,
266.1939, 152.6100

 9.1500, 14.3741,
1.8492

264.5079,
319.0218, 190.6637

 4.8970, 8.3813,
0.4601

316.1829,

 2.2211, 4.3399,

378.4137, 234.5694

0.0000

374.1845,
444.7542, 284.7455

■ 0.7538, 1.8655,
0.0000

■ 0.0000, 0.5275,
0.0000

■ 66.8576, 87.0623,
35.4712

■ 66.8576, 87.0623,
35.4712

■ 62.7443, 85.1213,
27.1722

■ 71.5499, 89.2524,
46.0317

■ 59.1752, 83.4150,
20.9651

■ 76.8510, 91.7037,
58.9993

■ 56.1121, 81.9280,
16.6625

■ 82.7897, 94.4280,
74.5118

■ 53.5103, 80.6420,
14.0417

■ 89.3921, 97.4361,
92.6953

■ 51.3104, 79.5330, 95.0500, 100.0000,
12.8051 108.9000

■ 50.8705, 79.3098,
12.6272

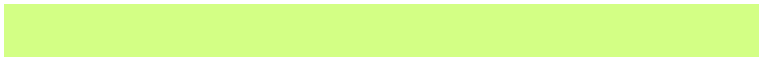
Harmonies

Analogous

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



81.8729, 87.0623, 28.8007



66.8576, 87.0623, 35.4712



57.2992, 87.0623, 56.9535

Triad

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



66.8576, 87.0623, 35.4712



68.1890, 87.0623, 202.6769



119.7476, 87.0623, 92.2972

Complementary

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



66.8576, 87.0623, 35.4712



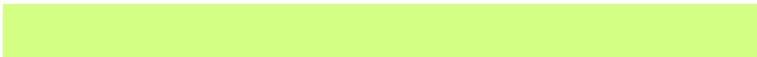
44.5702, 33.3434, 98.6946

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.



114.8021, 87.0623, 146.5145



66.8576, 87.0623, 35.4712



83.6335, 87.0623, 221.8856

Square

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



66.8576, 87.0623, 35.4712



57.9910, 87.0623, 152.4297



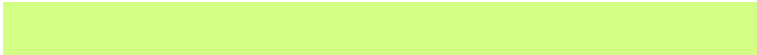
100.9804, 87.0623, 198.5215



113.7106, 87.0623, 53.9006

Rectangle

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



66.8576, 87.0623, 35.4712



54.5438, 87.0623, 81.7435



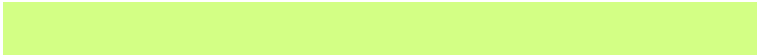
100.9804, 87.0623, 198.5215



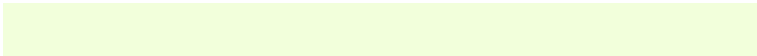
119.3112, 87.0623, 109.1689

Sweetspot

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



66.8579, 87.0624, 35.4724



85.2463, 95.5495, 81.1750



60.9409, 53.8875, 29.3809



17.9483, 20.3156, 16.5633



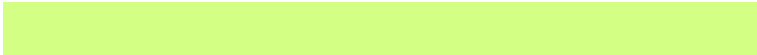
0.0000, 0.0000, 0.0000



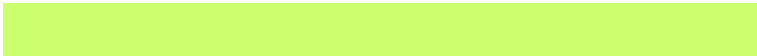
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8579, 87.0624, 35.4724



63.0691, 85.2754, 27.7878



52.8126, 79.8219, 34.8151



18.8885, 20.7440, 19.1528



26.7501, 41.5283, 6.6059



2.7241, 4.1051, 0.6488

Inverse Universe

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



44.5702, 33.3434, 98.6946



38.5033, 25.9855, 97.5941



61.2631, 41.9490, 99.4758



17.6214, 17.6965, 22.7370



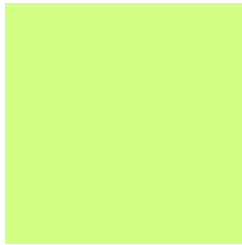
11.8841, 5.0370, 49.7805



1.2715, 0.5494, 4.8523

Previews

White Background



This preview shows how the XYZ color 66.8576, 87.0623, 35.4712 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 66.8576, 87.0623, 35.4712 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 66.8576, 87.0623, 35.4712

Background



This preview shows how black text looks on a background with the XYZ color 66.8576, 87.0623, 35.4712.

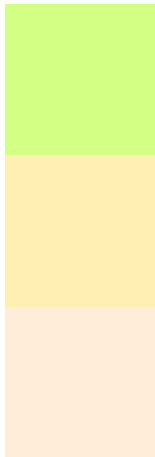


This preview shows how white text looks on a background with the XYZ color 66.8576, 87.0623,

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

66.8576, 87.0623, 35.4712

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

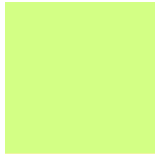
83.7598, 86.2607, 77.8810



Tritanopia

82.1651, 86.5291, 106.9790

Trichromacy



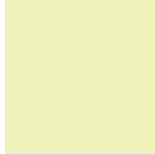
Original Color

66.8576, 87.0623, 35.4712



Protanomaly

74.7706, 86.2642, 46.8922



Deuteranomaly

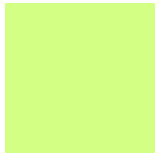
76.5101, 85.9971, 59.0210



Tritanomaly

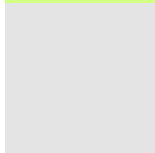
75.1507, 85.8553, 74.2389

Monochromacy



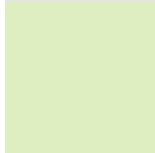
Original Color

66.8576, 87.0623, 35.4712



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.3244, 80.5289, 62.2892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8576, 87.0623, 35.4712 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 66.8576, 87.0623, 35.4712 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, 133) }
```


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

```
.border{ border-color:rgb(211, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8576, 87.0623, 35.4712 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, 133) }
```

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

```
.background{ background-color: rgb(211,  
255, 133) }
```

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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