

Converting Colors

XYZ(67.6179, 87.4455, 35.9041)

Have a look what the booklet for
XYZ(67.6179, 87.4455, 35.9041)
contains.

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Color

**XYZ(67.5036, 87.3874,
35.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF86
RGB	213, 255, 134
RGB Percent	84%, 100%, 53%
CMY	0.1647, 0.0000, 0.4745
CMYK	0.16, 0.00, 0.47, 0.00
HSL	81°, 100%, 76%
HSV	81°, 47%, 100%
XYZ	67.5036, 87.3874, 35.8639
YIQ	228.6480, 13.8090, -46.5350

Conversions

Conversions Part 2

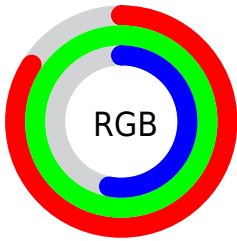
Format	Color
RYB	134, 255, 176
Decimal	14024582
CIELab	94.90, -31.93, 53.09
CIELCh	95, 61.950, 121.022
Yxy	87.3874, 0.3539, 0.4581
Android (android.graphics.Color)	4292214662 (0xFFD5FF86)
YUV	228.6480, -46.6615, -13.7233
Hunter-Lab	93.4812, -34.6958, 42.6904

Details

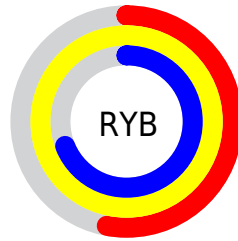
The XYZ color **67.5036, 87.3874, 35.8639** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.4809, 33.5017, 98.7298**, and the grayscale version is **74.5417, 78.4237, 85.4034**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **35.3896, 48.0502, 15.1940** is the 20% darker color. If you saturate the color by 10%, you get **63.4361, 85.4718, 27.4825**, and if you desaturate by 10%, it is **72.1404, 89.5468, 46.5124**.

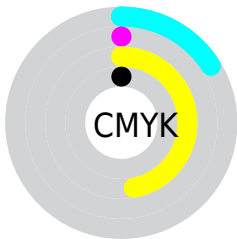
Distribution



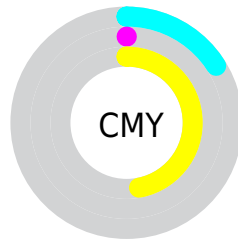
- Red (84%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5036, 87.3874, 35.8639 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 67.5036, 87.3874, 35.8639 by changing the saturation by 10% instead.

 67.5036, 87.3874,
35.8639

 67.5036, 87.3874,
35.8639


441.1396,
519.4950, 343.3847


 49.7662, 65.8158,
24.0402


 114.6875,
143.7040, 69.9886

 35.4447, 48.1229,
15.1510


 144.8648,
179.2178, 93.1268

 24.1737, 33.9242,
8.7776


 179.9194,
220.1478, 120.8735

 15.5880, 22.8354,
4.5016

220.2166,
266.8785, 153.6473

 9.3221, 14.4720,
1.9044

266.1219,
319.7941, 191.8668

 5.0106, 8.4497,
0.4955

318.0006,

 2.2883, 4.3840,

379.2792, 235.9505

0.0000

376.2180,
445.7180, 286.3170

0.7887, 1.8906,
0.0000

0.0000, 0.5427,
0.0000

67.5036, 87.3874,
35.8639

67.5036, 87.3874,
35.8639

63.4361, 85.4718,
27.4825

72.1404, 89.5468,
46.5124

59.9039, 83.7862,
21.1994

77.3765, 91.9624,
59.5732

56.8691, 82.3154,
16.8282

83.2398, 94.6456,
75.1833

54.2877, 81.0413,
14.1480

89.7563, 97.6071,
93.4688

■ 52.1025, 79.9408, 95.0500, 100.0000,
12.8708 108.9000

■ 51.5876, 79.6795,
12.6607

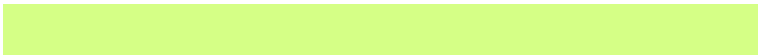
Harmonies

Analogous

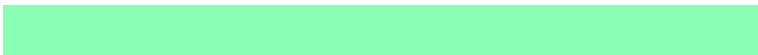
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4845, 87.3874, 29.4018



67.5036, 87.3874, 35.8639



57.8914, 87.3874, 57.0097

Triad

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



67.5036, 87.3874, 35.8639



68.3761, 87.3874, 201.1505



119.7103, 87.3874, 93.5100

Complementary

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



67.5036, 87.3874, 35.8639



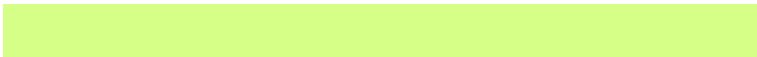
44.4809, 33.5017, 98.7298

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.



114.6321, 87.3874, 147.3559



67.5036, 87.3874, 35.8639



83.6364, 87.3874, 220.8052

Square

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



67.5036, 87.3874, 35.8639



58.3454, 87.3874, 151.2135



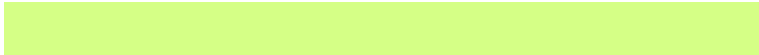
100.8376, 87.3874, 198.4456



113.9196, 87.3874, 55.0031

Rectangle

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



67.5036, 87.3874, 35.8639



55.0714, 87.3874, 81.4351



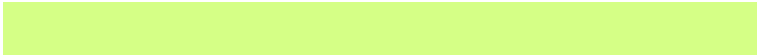
100.8376, 87.3874, 198.4456



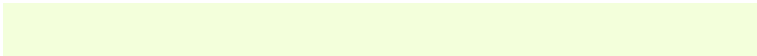
119.2127, 87.3874, 110.3243

Sweetspot

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



67.5038, 87.3874, 35.8651



85.4127, 95.6353, 81.1828



60.7443, 53.3833, 29.6579



17.9890, 20.3366, 16.5652



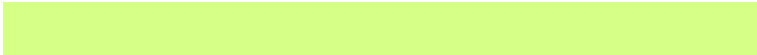
0.0000, 0.0000, 0.0000



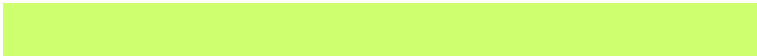
20.3446, 21.4041, 23.3091

Same Dimension

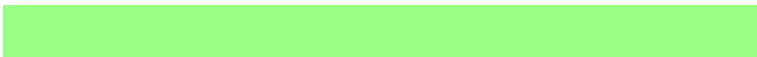
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5038, 87.3874, 35.8651



63.6073, 85.5529, 27.8130



53.4220, 80.1280, 35.2061



18.9133, 20.7567, 19.1539



27.1229, 41.7204, 6.6233



2.7587, 4.1229, 0.6504

Inverse Universe

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



44.4809, 33.5017, 98.7298



38.1062, 25.7808, 97.5755



60.7817, 41.9050, 99.4927



17.5976, 17.6843, 22.7359



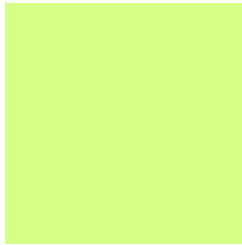
11.7044, 4.9443, 49.7720



1.2520, 0.5394, 4.8514

Previews

White Background



This preview shows how the XYZ color 67.5036, 87.3874, 35.8639 looks on a white background.

Color Contrast Check

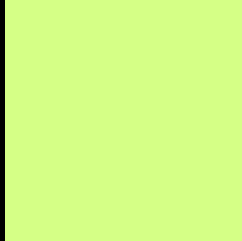
Large Text (above 18pt) WCAG AA × Fail

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 67.5036, 87.3874, 35.8639 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 67.5036, 87.3874, 35.8639

Background



This preview shows how black text looks on a background with the XYZ color 67.5036, 87.3874, 35.8639.

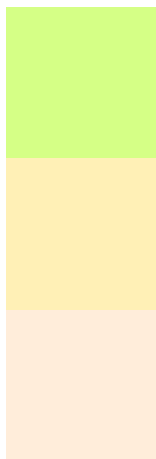


This preview shows how white text looks on a background with the XYZ color 67.5036, 87.3874,

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

67.5036, 87.3874, 35.8639

Protanopia

80.8436, 86.9576, 56.7795

Deuteranopia

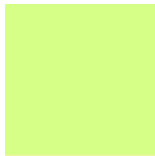
84.1791, 86.8903, 78.6645



Tritanopia

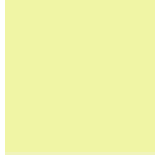
82.7840, 87.2864, 107.0925

Trichromacy



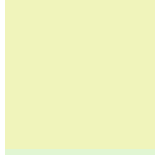
Original Color

67.5036, 87.3874, 35.8639



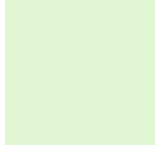
Protanomaly

75.3791, 86.5467, 48.3296



Deuteranomaly

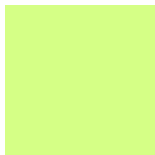
77.2555, 86.8145, 59.6988



Tritanomaly

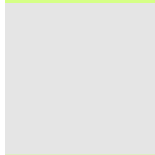
75.7650, 86.6222, 74.3545

Monochromacy



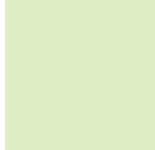
Original Color

67.5036, 87.3874, 35.8639



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.7436, 80.7321, 62.8932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5036, 87.3874, 35.8639 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(213, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 134)  
}
```

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(213, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 67.5036, 87.3874, 35.8639 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(213, 255, 134) }
```


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

```
.border{ border-color:rgb(213, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5036, 87.3874, 35.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 134) }
```

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

```
.background{ background-color: rgb(213,  
255, 134) }
```

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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