

Converting Colors

XYZ(66.8212, 87.0346, 35.8318)

Have a look what the booklet for
XYZ(66.8212, 87.0346, 35.8318)
contains.

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Color

**XYZ(66.9270, 87.0901,
35.8369)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF86
RGB	211, 255, 134
RGB Percent	83%, 100%, 53%
CMY	0.1725, 0.0000, 0.4745
CMYK	0.17, 0.00, 0.47, 0.00
HSL	82°, 100%, 76%
HSV	82°, 47%, 100%
XYZ	66.9270, 87.0901, 35.8369
YIQ	228.0500, 12.6170, -46.9590

Conversions

Conversions Part 2

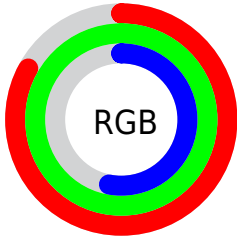
Format	Color
RYB	134, 255, 178
Decimal	13893510
CIELab	94.78, -32.66, 52.91
CIELCh	95, 62.174, 121.686
Yxy	87.0901, 0.3525, 0.4587
Android (android.graphics.Color)	4292083590 (0xFFD3FF86)
YUV	228.0500, -46.3667, -14.9529
Hunter-Lab	93.3221, -35.3003, 42.5573

Details

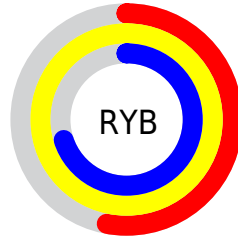
The XYZ color **66.9270, 87.0901, 35.8369** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.9365, 33.7365, 98.7511**, and the grayscale version is **74.1010, 77.9600, 84.8984**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **35.0057, 47.8523, 15.1760** is the 20% darker color. If you saturate the color by 10%, you get **62.7769, 85.1319, 27.4516**, and if you desaturate by 10%, it is **71.6597, 89.2990, 46.4899**.

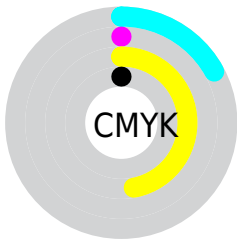
Distribution



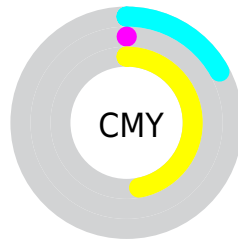
- Red (83%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (70%)



- Cyan (17%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9270, 87.0901, 35.8369 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 66.9270, 87.0901, 35.8369 by changing the saturation by 10% instead.

66.9270, 87.0901,
35.8369

66.9270, 87.0901,
35.8369

439.1214,
518.5189, 343.2629

49.2958, 65.5698,
24.0196

113.8662,
143.2897, 69.9465

35.0697, 47.9232,
15.1358

143.9049,
178.7378, 93.0758

23.8833, 33.7661,
8.7671

178.8101,
219.5972, 120.8128

15.3714, 22.7140,
4.4948

218.9471,
266.2525, 153.5761

9.1684, 14.3824,
1.9005

264.6815,
319.0878, 191.7842

4.9092, 8.3871,
0.4931

316.3784,

2.2283, 4.3437,

378.4878, 235.8557

0.0000

374.4033,
444.8367, 286.2091

■ 0.7576, 1.8676,
0.0000

■ 0.0000, 0.5288,
0.0000

■ 66.9270, 87.0901,
35.8369

■ 66.9270, 87.0901,
35.8369

■ 62.7769, 85.1319,
27.4516

■ 71.6597, 89.2990,
46.4899

■ 59.1748, 83.4104,
21.1653

■ 77.0049, 91.7709,
59.5558

■ 56.0826, 81.9099,
16.7914

■ 82.9912, 94.5175,
75.1717

■ 53.4558, 80.6124,
14.1091

■ 89.6448, 97.5496,
93.4636

■ 51.2368, 79.4945, 95.0500, 100.0000,
12.8303 108.9000

■ 50.7152, 79.2297,
12.6199

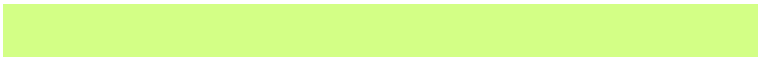
Harmonies

Analogous

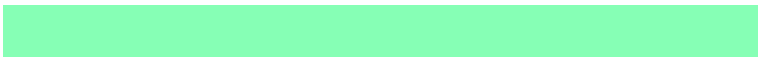
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8288, 87.0901, 29.1130



66.9270, 87.0901, 35.8369



57.4481, 87.0901, 57.3354

Triad

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



66.9270, 87.0901, 35.8369



68.3673, 87.0901, 201.9503



119.4875, 87.0901, 92.1276

Complementary

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



66.9270, 87.0901, 35.8369



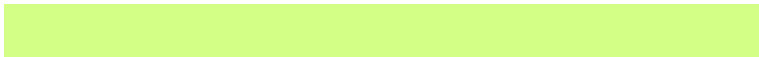
44.9365, 33.7365, 98.7511

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.



114.6315, 87.0901, 145.8809



66.9270, 87.0901, 35.8369



83.7316, 87.0901, 220.7803

Square

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



66.9270, 87.0901, 35.8369



58.1971, 87.0901, 152.2608



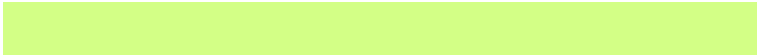
100.9494, 87.0901, 197.4736



113.4536, 87.0901, 54.0267

Rectangle

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



66.9270, 87.0901, 35.8369



54.7262, 87.0901, 82.0560



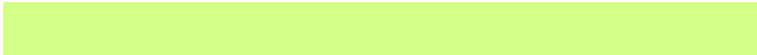
100.9494, 87.0901, 197.4736



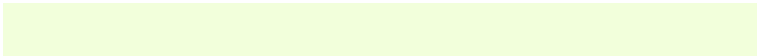
119.0718, 87.0901, 108.8573

Sweetspot

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



66.9272, 87.0902, 35.8381



85.2098, 95.5307, 81.1733



61.1378, 54.1703, 29.7891



17.9394, 20.3110, 16.5629



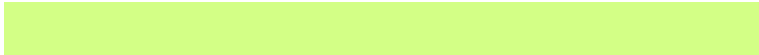
0.0000, 0.0000, 0.0000



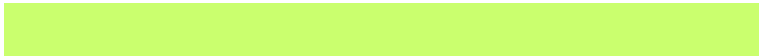
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9272, 87.0902, 35.8381



62.9515, 85.2148, 27.7823



53.0408, 79.9315, 35.1883



18.8831, 20.7412, 19.1525



26.6693, 41.4866, 6.6021



2.7166, 4.1012, 0.6484

Inverse Universe

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



44.9365, 33.7365, 98.7511



38.5916, 26.0310, 97.5982



61.4507, 42.2499, 99.5240



17.6266, 17.6992, 22.7372



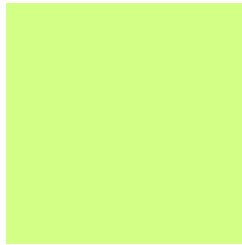
11.9248, 5.0579, 49.7824



1.2759, 0.5516, 4.8525

Previews

White Background



This preview shows how the XYZ color 66.9270, 87.0901, 35.8369 looks on a white background.

Color Contrast Check

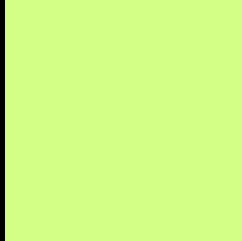
Large Text (above 18pt) WCAG AA × Fail

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 66.9270, 87.0901, 35.8369 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

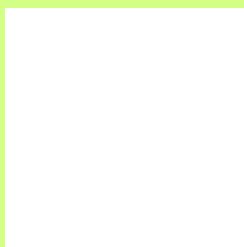
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9270, 87.0901, 35.8369

Background



This preview shows how black text looks on a background with the XYZ color 66.9270, 87.0901, 35.8369.

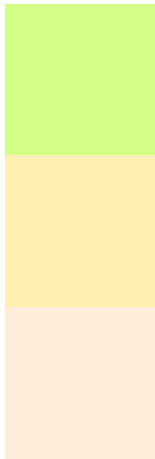


This preview shows how white text looks on a background with the XYZ color 66.9270, 87.0901,

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

66.9270, 87.0901, 35.8369

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

83.7598, 86.2607, 77.8810



Tritanopia

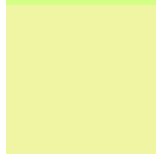
82.1651, 86.5291, 106.9790

Trichromacy



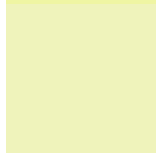
Original Color

66.9270, 87.0901, 35.8369



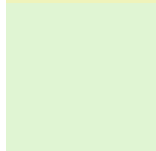
Protanomaly

74.8599, 86.2999, 47.3623



Deuteranomaly

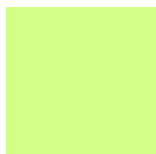
76.6168, 86.0398, 59.5829



Tritanomaly

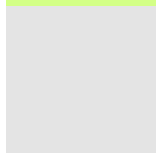
75.1507, 85.8553, 74.2389

Monochromacy



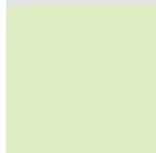
Original Color

66.9270, 87.0901, 35.8369



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.4363, 80.5737, 62.8788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9270, 87.0901, 35.8369 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 66.9270, 87.0901, 35.8369 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, 134) }
```


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

```
.border{ border-color:rgb(211, 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(211, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9270, 87.0901, 35.8369 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, 134) }
```

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

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