

Converting Colors

XYZ(73.2455, 100.0000,
37.2797)

Have a look what the booklet for
XYZ(73.2455, 100.0000, 37.2797)
contains.

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Color

**XYZ(66.7888, 87.0348,
35.1091)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF84
RGB	211, 255, 132
RGB Percent	83%, 100%, 52%
CMY	0.1725, 0.0000, 0.4823
CMYK	0.17, 0.00, 0.48, 0.00
HSL	81°, 100%, 76%
HSV	81°, 48%, 100%
XYZ	66.7888, 87.0348, 35.1091
YIQ	227.8220, 13.2590, -47.5810

Conversions

Conversions Part 2

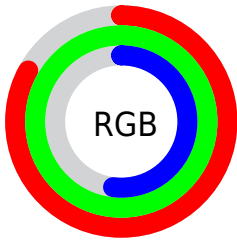
Format	Color
RYB	132, 255, 176
Decimal	13893508
CIELab	94.75, -32.86, 53.81
CIELCh	95, 63.050, 121.415
Yxy	87.0348, 0.3535, 0.4607
Android (android.graphics.Color)	4292083588 (0xFFD3FF84)
YUV	227.8220, -47.2402, -14.7529
Hunter-Lab	93.2924, -35.4722, 42.9919

Details

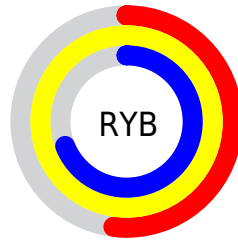
The XYZ color **66.7888, 87.0348, 35.1091** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.2071, 32.9540, 98.6385**, and the grayscale version is **73.9398, 77.7904, 84.7137**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **34.9318, 47.8227, 14.7867** is the 20% darker color. If you saturate the color by 10%, you get **62.7118, 85.1106, 26.8961**, and if you desaturate by 10%, it is **71.4411, 89.2063, 45.5774**.

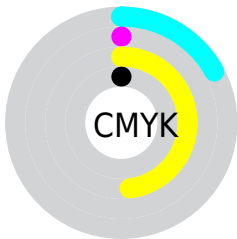
Distribution



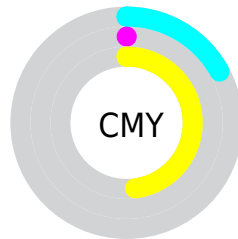
- Red (83%)
- Green (100%)
- Blue (52%)



- 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 66.7888, 87.0348, 35.1091 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 66.7888, 87.0348, 35.1091 by changing the saturation by 10% instead.


 66.7888, 87.0348,
35.1091

 66.7888, 87.0348,
35.1091


438.6369,
518.3372, 339.9685


 49.1831, 65.5240,
23.4627


 113.6692,
143.2126, 68.8082

 34.9799, 47.8861,
14.7270


 143.6746,
178.6485, 91.6981

 23.8138, 33.7367,
8.4835

 178.5439,
219.4948, 119.1728

 15.3195, 22.6914,
4.3137

218.6425,
266.1360, 151.6509

 9.1317, 14.3658,
1.7990

264.3358,
318.9564, 189.5510

 4.8850, 8.3755,
0.4273

315.9890,

 2.2140, 4.3362,

378.3405, 233.2916

0.0000

373.9676,
444.6726, 283.2913

0.7501, 1.8633,
0.0000

0.0000, 0.5262,
0.0000

66.7888, 87.0348,
35.1091

66.7888, 87.0348,
35.1091

62.7118, 85.1106,
26.8961

71.4411, 89.2063,
45.5774

59.1754, 83.4195,
20.7680

76.6987, 91.6373,
58.4470

56.1411, 81.9458,
16.5362

82.5904, 94.3396,
73.8562

53.5640, 80.6712,
13.9765

89.1422, 97.3239,
91.9317

■ 51.3827, 79.5710, 95.0500, 100.0000,
12.7799 108.9000

■ 51.0240, 79.3889,
12.6343

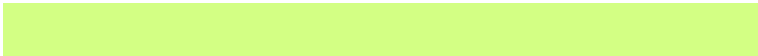
Harmonies

Analogous

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



81.9173, 87.0348, 28.4917



66.7888, 87.0348, 35.1091



57.1513, 87.0348, 56.5743

Triad

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



66.7888, 87.0348, 35.1091



68.0115, 87.0348, 203.4029



120.0075, 87.0348, 92.4672

Complementary

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



66.7888, 87.0348, 35.1091



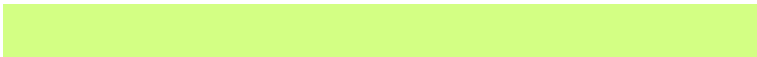
44.2071, 32.9540, 98.6385

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.



114.9725, 87.0348, 147.1489



66.7888, 87.0348, 35.1091



83.5359, 87.0348, 222.9915

Square

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



66.7888, 87.0348, 35.1091



57.7861, 87.0348, 152.5978



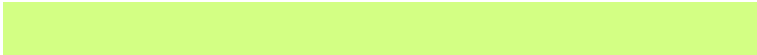
101.0113, 87.0348, 199.5707



113.9675, 87.0348, 53.7755

Rectangle

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



66.7888, 87.0348, 35.1091



54.3626, 87.0348, 81.4325



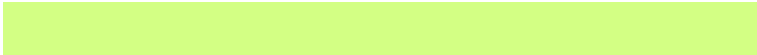
101.0113, 87.0348, 199.5707



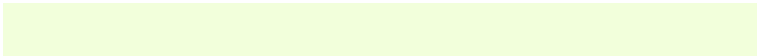
119.5502, 87.0348, 109.4811

Sweetspot

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



66.7890, 87.0349, 35.1103



85.2823, 95.5681, 81.1767



60.7453, 53.6064, 28.9765



17.9571, 20.3201, 16.5637



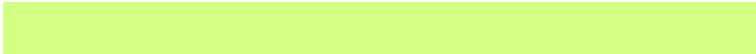
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

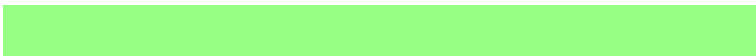
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7890, 87.0349, 35.1103



62.8009, 85.1529, 27.0637



52.5863, 79.7131, 34.4457



18.8939, 20.7467, 19.1530



26.8299, 41.5694, 6.6096



2.7316, 4.1089, 0.6491

Inverse Universe

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



44.2071, 32.9540, 98.6385



37.8171, 25.2308, 97.4846



61.0769, 41.6507, 99.4280



17.6162, 17.6939, 22.7367



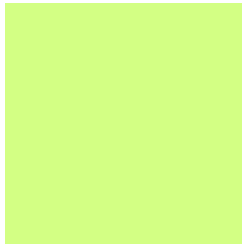
11.8446, 5.0166, 49.7786



1.2672, 0.5472, 4.8521

Previews

White Background



This preview shows how the XYZ color 66.7888, 87.0348, 35.1091 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 66.7888, 87.0348, 35.1091 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 66.7888, 87.0348, 35.1091

Background



This preview shows how black text looks on a background with the XYZ color 66.7888, 87.0348, 35.1091.

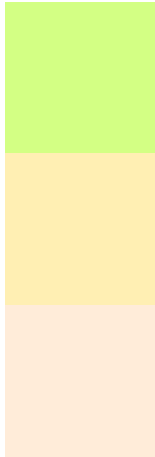


This preview shows how white text looks on a background with the XYZ color 66.7888, 87.0348,

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

66.7888, 87.0348, 35.1091

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

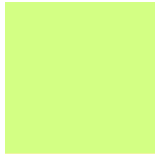
83.7598, 86.2607, 77.8810



Tritanopia

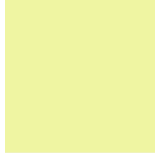
82.1651, 86.5291, 106.9790

Trichromacy



Original Color

66.7888, 87.0348, 35.1091



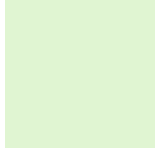
Protanomaly

74.7706, 86.2642, 46.8922



Deuteranomaly

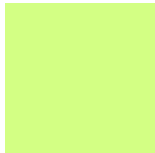
76.5101, 85.9971, 59.0210



Tritanomaly

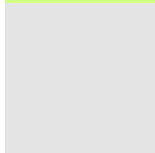
75.0257, 85.8053, 73.5806

Monochromacy



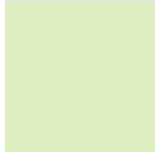
Original Color

66.7888, 87.0348, 35.1091



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 66.7888, 87.0348, 35.1091 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 66.7888, 87.0348, 35.1091 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, 132) }
```


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

```
.border{ border-color:rgb(211, 255, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7888, 87.0348, 35.1091 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, 132) }
```

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

```
.background{ background-color: rgb(211,  
255, 132) }
```

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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