

Converting Colors

XYZ(71.7734, 100.0000,
29.1220)

Have a look what the booklet for
XYZ(71.7734, 100.0000, 29.1220)
contains.

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Color

**XYZ(64.9399, 86.2622,
26.8633)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF6A
RGB	210, 255, 106
RGB Percent	82%, 100%, 42%
CMY	0.1765, 0.0000, 0.5843
CMYK	0.18, 0.00, 0.58, 0.00
HSL	78°, 100%, 71%
HSV	78°, 58%, 100%
XYZ	64.9399, 86.2622, 26.8633
YIQ	224.5590, 21.0090, -55.8790

Conversions

Conversions Part 2

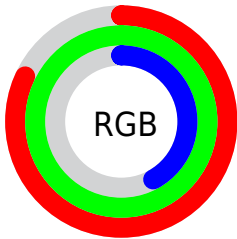
Format	Color
RYB	106, 255, 151
Decimal	13827946
CIELab	94.42, -35.59, 64.95
CIELCh	94, 74.059, 118.719
Yxy	86.2622, 0.3647, 0.4844
Android (android.graphics.Color)	4292018026 (0xFFD2FF6A)
YUV	224.5590, -58.4496, -12.7682
Hunter-Lab	92.8774, -37.7284, 47.8655

Details

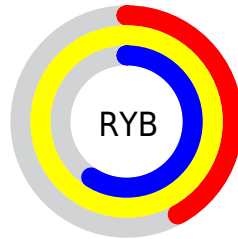
The XYZ color **64.9399, 86.2622, 26.8633** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.9679, 24.1088, 97.3655**, and the grayscale version is **71.6466, 75.3778, 82.0864**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **33.6974, 47.2853, 10.2567** is the 20% darker color. If you saturate the color by 10%, you get **61.6646, 84.7049, 20.7871**, and if you desaturate by 10%, it is **68.7153, 88.0319, 35.0226**.

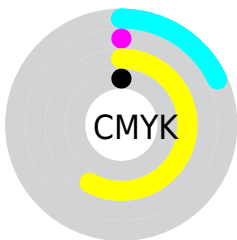
Distribution



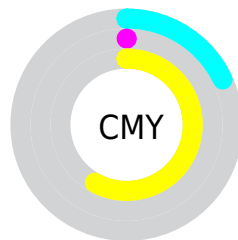
- Red (82%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (59%)



- Cyan (18%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9399, 86.2622, 26.8633 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 64.9399, 86.2622, 26.8633 by changing the saturation by 10% instead.


 64.9399, 86.2622,
26.8633

 64.9399, 86.2622,
26.8633


432.1246,
515.7954, 300.7338

 47.6769, 64.8848,
17.2391


 111.0296,
142.1353, 55.6655


 33.7812, 47.3677,
10.2413


 140.5871,
177.3999, 75.6805

 22.8877, 33.3264,
5.4516

 174.9733,
218.0622, 99.9962

 14.6308, 22.3766,
2.4512

 214.5538,
264.5068, 129.0312

 8.6453, 14.1339,
0.8141

259.6938,
317.1180, 163.2038

 4.5658, 8.2139,
0.0000

310.7587,

 2.0270, 4.2321,

376.2803, 202.9328

0.0000

368.1138,
442.3779, 248.6366

0.6490, 1.8042,
0.0000

0.0000, 0.4898,
0.0000

64.9399, 86.2622,
26.8633

64.9399, 86.2622,
26.8633

61.6646, 84.7049,
20.7871

68.7153, 88.0319,
35.0226

58.8513, 83.3443,
16.6003

73.0234, 90.0269,
45.4285

56.4560, 82.1628,
14.0789

77.8942, 92.2596,
58.2323

54.4171, 81.1356,
12.9076

83.3553, 94.7410,
73.5710

■ 54.1165, 80.9831,
12.7791

■ 89.4319, 97.4815,
91.5715

95.0500, 100.0000,
108.9000

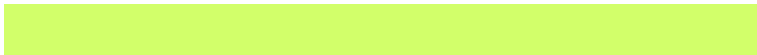
Harmonies

Analogous

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



82.8480, 86.2622, 21.4352



64.9399, 86.2622, 26.8633



53.4378, 86.2622, 47.7339

Triad

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



64.9399, 86.2622, 26.8633



63.6799, 86.2622, 222.1928



126.5128, 86.2622, 96.3959

Complementary

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



64.9399, 86.2622, 26.8633



35.9679, 24.1088, 97.3655

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.



119.2406, 86.2622, 163.1056



64.9399, 86.2622, 26.8633



81.1372, 86.2622, 251.6456

Square

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



64.9399, 86.2622, 26.8633



52.7974, 86.2622, 157.0520



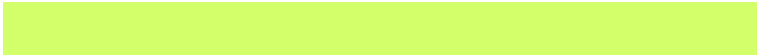
101.7894, 86.2622, 226.5705



120.3419, 86.2622, 50.4873

Rectangle

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



64.9399, 86.2622, 26.8633



49.8928, 86.2622, 74.0740



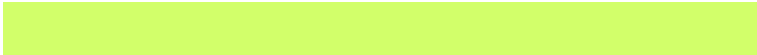
101.7894, 86.2622, 226.5705



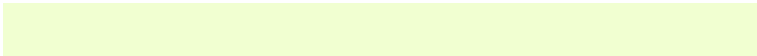
125.5407, 86.2622, 117.0388

Sweetspot

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



64.9401, 86.2623, 26.8645



83.6035, 94.8533, 74.2887



54.8607, 44.3385, 19.3036



17.5395, 20.1416, 14.8808



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.



64.9401, 86.2623, 26.8645



61.1933, 84.4786, 20.0098



48.4832, 77.7785, 26.0943



18.9958, 20.7993, 19.1578



28.4355, 42.3971, 6.6848



2.8795, 4.1852, 0.6561

Inverse Universe

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



35.9679, 24.1088, 97.3655



29.9381, 17.2365, 96.3568



54.3185, 33.5689, 98.2243



17.5188, 17.6437, 22.7322



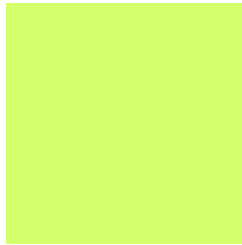
11.1626, 4.6650, 49.7467



1.1919, 0.5083, 4.8486

Previews

White Background



This preview shows how the XYZ color 64.9399, 86.2622, 26.8633 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 64.9399, 86.2622, 26.8633 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 64.9399, 86.2622, 26.8633

Background



This preview shows how black text looks on a background with the XYZ color 64.9399, 86.2622, 26.8633.

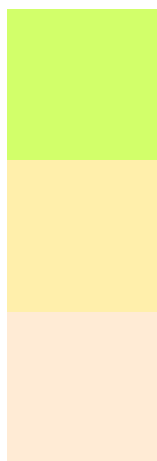


This preview shows how white text looks on a background with the XYZ color 64.9399, 86.2622, 26.8633.

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

64.9399, 86.2622, 26.8633

Protanopia

79.4572, 85.9333, 50.9270

Deuteranopia

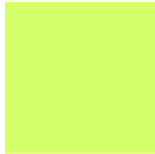
82.9586, 85.4808, 75.0778



Tritanopia

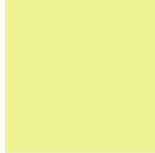
81.5496, 85.7760, 106.8660

Trichromacy



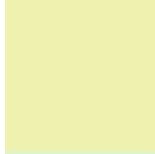
Original Color

64.9399, 86.2622, 26.8633



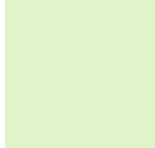
Protanomaly

73.5155, 85.7621, 40.2828



Deuteranomaly

74.9887, 84.9110, 52.4815



Tritanomaly

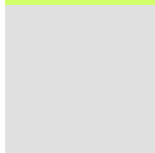
73.6264, 85.2098, 67.8250

Monochromacy



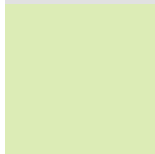
Original Color

64.9399, 86.2622, 26.8633



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9542, 78.5839, 55.8426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9399, 86.2622, 26.8633 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 64.9399, 86.2622, 26.8633 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, 106) }
```


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

```
.border{ border-color:rgb(210, 255, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9399, 86.2622, 26.8633 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, 106) }
```

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

```
.background{ background-color: rgb(210,  
255, 106) }
```

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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