

Converting Colors

XYZ(66.8249, 86.8939, 42.3183)

Have a look what the booklet for
XYZ(66.8249, 86.8939, 42.3183)
contains.

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Color

**XYZ(66.7995, 86.8762,
42.5262)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFF97
RGB	206, 255, 151
RGB Percent	81%, 100%, 59%
CMY	0.1922, 0.0000, 0.4078
CMYK	0.19, 0.00, 0.41, 0.00
HSL	88°, 100%, 80%
HSV	88°, 41%, 100%
XYZ	66.7995, 86.8762, 42.5262
YIQ	228.4930, 4.1800, -42.7320

Conversions

Conversions Part 2

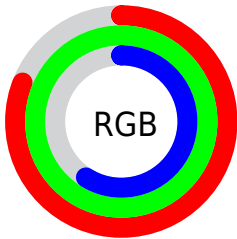
Format	Color
RYB	151, 255, 200
Decimal	13565847
CIELab	94.69, -32.55, 44.64
CIElCh	95, 55.250, 126.096
Yxy	86.8762, 0.3405, 0.4428
Android (android.graphics.Color)	4291755927 (0xFFCEFF97)
YUV	228.4930, -38.2040, -19.7264
Hunter-Lab	93.2074, -35.1863, 38.1939

Details

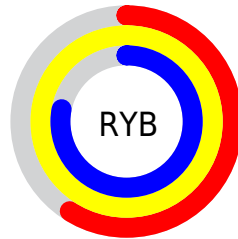
The XYZ color **66.7995, 86.8762, 42.5262** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.9372, 41.6339, 99.8538**, and the grayscale version is **74.3726, 78.2458, 85.2097**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **34.9764, 47.7540, 18.9293** is the 20% darker color. If you saturate the color by 10%, you get **61.7383, 84.4810, 32.6234**, and if you desaturate by 10%, it is **72.5642, 89.5823, 54.8022**.

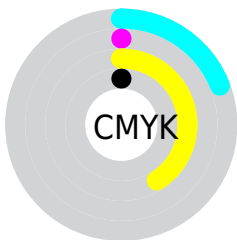
Distribution



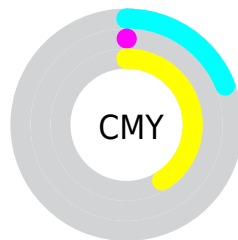
- Red (81%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (78%)



- Cyan (19%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7995, 86.8762, 42.5262 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 66.7995, 86.8762, 42.5262 by changing the saturation by 10% instead.


 66.7995, 86.8762,
42.5262


 66.7995, 86.8762,
42.5262


438.6745,
517.8160, 372.5234

 49.1918, 65.3928,
29.1849


 113.6845,
142.9916, 80.2741

 34.9868, 47.7796,
18.9740


 143.6924,
178.3923, 105.5177

 23.8192, 33.6524,
11.4748


178.5645,
219.2009, 135.5659

 15.3236, 22.6267,
6.2690

218.6661,
265.8018, 170.8371

 9.1346, 14.3181,
2.9379

264.3625,
318.5793, 211.7499

 4.8869, 8.3422,
1.0630

316.0192,

 2.2151, 4.3147,

377.9180, 258.7229

0.0000

374.0014,
444.2020, 312.1745

■ 0.7507, 1.8511,
0.0000

■ 0.0000, 0.5187,
0.0000

■ 66.7995, 86.8762,
42.5262

■ 66.7995, 86.8762,
42.5262

■ 61.7383, 84.4810,
32.6234

■ 72.5642, 89.5823,
54.8022

■ 57.3449, 82.3817,
24.9362

■ 79.0636, 92.6123,
69.5878

■ 53.5811, 80.5624,
19.2938

■ 86.3278, 95.9790,
87.0133

■ 50.4035, 79.0049,
15.4990

■ 94.3847, 99.6940,
107.1992

■ 47.7608, 77.6882, 95.0500, 100.0000,
13.3154 108.9000

■ 45.7280, 76.6587,
12.3865

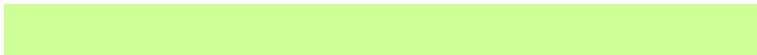
Harmonies

Analogous

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



79.5643, 86.8762, 34.1610



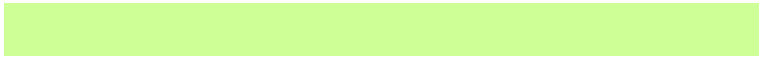
66.7995, 86.8762, 42.5262



59.0255, 86.8762, 65.0549

Triad

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



66.7995, 86.8762, 42.5262



71.4858, 86.8762, 191.3378



114.5088, 86.8762, 86.1348

Complementary

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



66.7995, 86.8762, 42.5262



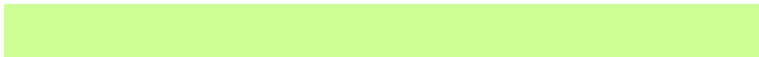
52.9372, 41.6339, 99.8538

Split Complementary

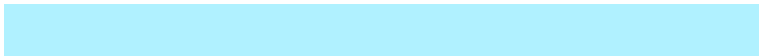
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6742, 86.8762, 131.9430



66.7995, 86.8762, 42.5262



85.6570, 86.8762, 202.0607

Square

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



66.7995, 86.8762, 42.5262



61.4944, 86.8762, 151.7201



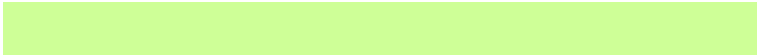
100.6530, 86.8762, 177.7209



107.9901, 86.8762, 53.9777

Rectangle

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



66.7995, 86.8762, 42.5262



57.1321, 86.8762, 89.1086



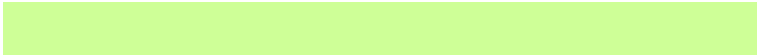
100.6530, 86.8762, 177.7209



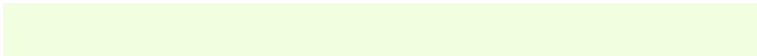
114.6278, 86.8762, 100.2988

Sweetspot

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



66.7998, 86.8763, 42.5275



85.4021, 95.5509, 84.7478



67.3729, 64.5879, 38.1951



18.0696, 20.3547, 17.6286



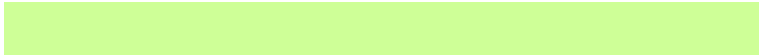
0.0000, 0.0000, 0.0000



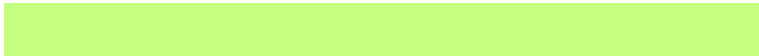
20.3446, 21.4041, 23.3091

Same Dimension

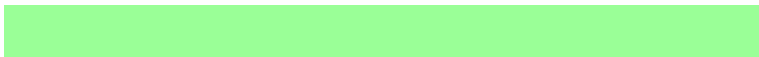
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7998, 86.8763, 42.5275



62.5909, 84.8860, 34.2224



54.7621, 80.6706, 41.9641



18.6886, 20.6409, 19.1434



24.0679, 40.1455, 6.4804



2.4696, 3.9739, 0.6369

Inverse Universe

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



52.9372, 41.6339, 99.8538



47.0062, 34.0074, 98.6943



69.0932, 49.9626, 100.6099



17.8169, 17.7973, 22.7461



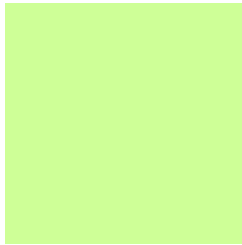
13.6587, 5.9518, 49.8635



1.4548, 0.6439, 4.8609

Previews

White Background



This preview shows how the XYZ color 66.7995, 86.8762, 42.5262 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 66.7995, 86.8762, 42.5262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

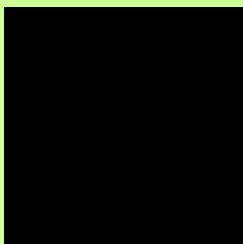
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

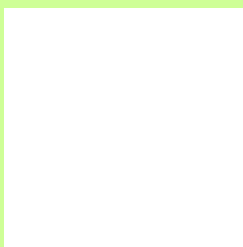
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7995, 86.8762, 42.5262

Background



This preview shows how black text looks on a background with the XYZ color 66.7995, 86.8762, 42.5262.

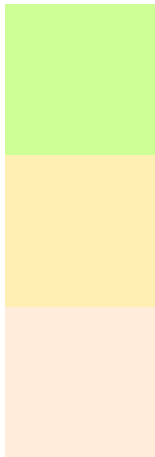


This preview shows how white text looks on a background with the XYZ color 66.7995, 86.8762,

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

66.7995, 86.8762, 42.5262

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

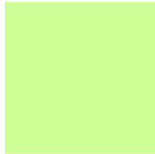
83.8903, 86.3129, 78.5682



Tritanopia

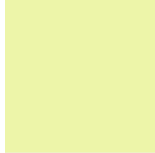
81.1839, 86.4615, 107.0176

Trichromacy



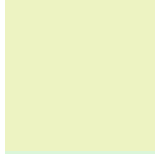
Original Color

66.7995, 86.8762, 42.5262



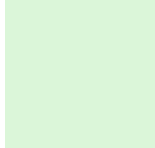
Protanomaly

74.7389, 86.1739, 50.2302



Deuteranomaly

76.7132, 86.0008, 63.5955



Tritanomaly

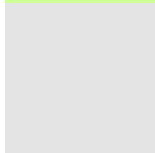
74.6936, 85.9814, 78.3049

Monochromacy



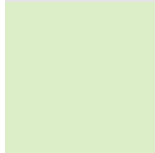
Original Color

66.7995, 86.8762, 42.5262



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.5151, 80.5348, 66.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7995, 86.8762, 42.5262 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(206, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 151)  
}
```

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(206, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 66.7995, 86.8762, 42.5262 is called "border". The border property can be set on classes, ids or directly on the HTML element.

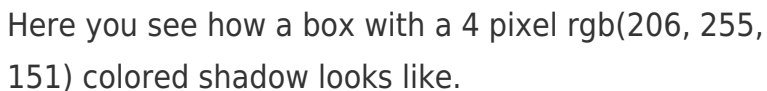
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 255, 151) }
```


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

```
.border{ border-color:rgb(206, 255, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 255, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 255, 151); box-shadow:4px 4px 4px 4px rgb(206, 255, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7995, 86.8762, 42.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 151) }
```

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

```
.background{ background-color: rgb(206,  
255, 151) }
```

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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