

Converting Colors

XYZ(70.3511, 94.1767, 48.4426)

Have a look what the booklet for
XYZ(70.3511, 94.1767, 48.4426)
contains.

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Color

**XYZ(66.6387, 86.6852,
47.4021)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFA2
RGB	202, 255, 162
RGB Percent	79%, 100%, 64%
CMY	0.2078, 0.0000, 0.3647
CMYK	0.21, 0.00, 0.36, 0.00
HSL	94°, 100%, 82%
HSV	94°, 36%, 100%
XYZ	66.6387, 86.6852, 47.4021
YIQ	228.5510, -1.7350, -40.1590

Conversions

Conversions Part 2

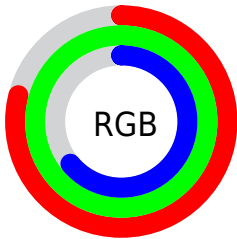
Format	Color
RYB	162, 255, 215
Decimal	13303714
CIELab	94.60, -32.56, 39.12
CIELCh	95, 50.893, 129.770
Yxy	86.6852, 0.3320, 0.4319
Android (android.graphics.Color)	4291493794 (0xFFCAFFA2)
YUV	228.5510, -32.8096, -23.2852
Hunter-Lab	93.1049, -35.1743, 34.9874

Details

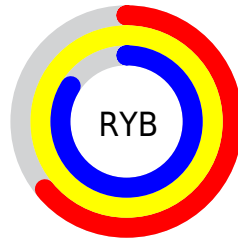
The XYZ color **66.6387, 86.6852, 47.4021** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.9958, 47.5090, 100.6685**, and the grayscale version is **74.3800, 78.2536, 85.2181**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **34.8085, 47.6033, 21.8218** is the 20% darker color. If you saturate the color by 10%, you get **60.8479, 83.9358, 36.4745**, and if you desaturate by 10%, it is **73.2602, 89.8097, 60.7701**.

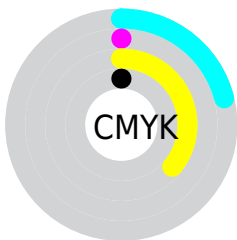
Distribution



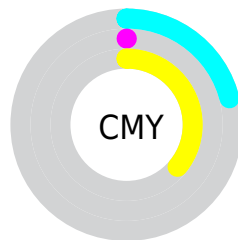
- Red (79%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (84%)



- Cyan (21%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6387, 86.6852, 47.4021 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 66.6387, 86.6852, 47.4021 by changing the saturation by 10% instead.


 66.6387, 86.6852,
47.4021


 66.6387, 86.6852,
47.4021


438.1104,
517.1879, 392.8574

 49.0607, 65.2347,
32.9970


 113.4552,
142.7253, 87.6698

 34.8824, 47.6514,
21.8531


 143.4244,
178.0837, 114.3695

 23.7384, 33.5509,
13.5517

178.2547,
218.8468, 146.0044

 15.2633, 22.5488,
7.6744

218.3115,
265.3992, 182.9932

 9.0919, 14.2607,
3.8025

263.9601,
318.1250, 225.7544

 4.8588, 8.3022,
1.5176

315.5659,

 2.1985, 4.2889,

377.4088, 274.7064

0.2310

373.4942,
443.6350, 330.2679

■ 0.7420, 1.8365,
0.0000

■ 0.0000, 0.5098,
0.0000

■ 66.6387, 86.6852,
47.4021

■ 66.6387, 86.6852,
47.4021

■ 60.8479, 83.9358,
36.4745

■ 73.2602, 89.8097,
60.7701

■ 55.8487, 81.5446,
27.8359

■ 80.7468, 93.3241,
76.7101

■ 51.5997, 79.4939,
21.3237

■ 89.1318, 97.2429,
95.3487

■ 48.0546, 77.7639,
16.7525

95.0500, 100.0000,
108.9000

■ 45.1607, 76.3320,
13.9050

■ 42.8540, 75.1714,
12.5094

■ 42.1500, 74.8142,
12.2190

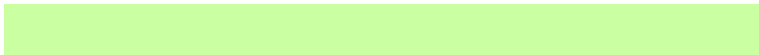
Harmonies

Analogous

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



77.9948, 86.6852, 37.7828



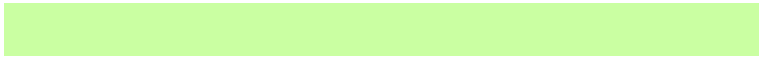
66.6387, 86.6852, 47.4021



60.0303, 86.6852, 70.5920

Triad

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



66.6387, 86.6852, 47.4021



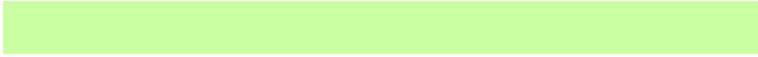
73.6002, 86.6852, 184.5300



111.2268, 86.6852, 82.1341

Complementary

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



66.6387, 86.6852, 47.4021



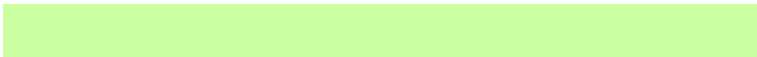
58.9958, 47.5090, 100.6685

Split Complementary

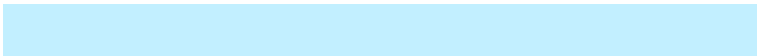
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.7129, 86.6852, 123.0018



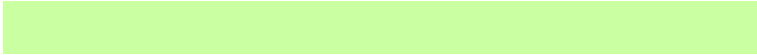
66.6387, 86.6852, 47.4021



86.9508, 86.6852, 190.1615

Square

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



66.6387, 86.6852, 47.4021



63.7293, 86.6852, 151.4495



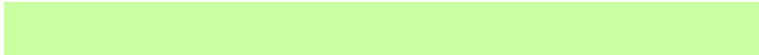
100.4500, 86.6852, 165.1977



104.3822, 86.6852, 53.8274

Rectangle

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



66.6387, 86.6852, 47.4021



58.7222, 86.6852, 94.0823



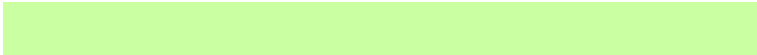
100.4500, 86.6852, 165.1977



111.6946, 86.6852, 94.6892

Sweetspot

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



66.6391, 86.6854, 47.4034



85.2196, 95.4165, 86.5625



71.9862, 72.3176, 44.3483



17.9978, 20.3096, 17.9888



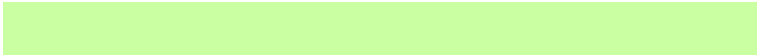
0.0000, 0.0000, 0.0000



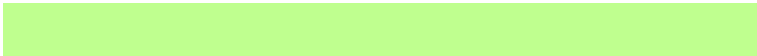
20.3446, 21.4041, 23.3091

Same Dimension

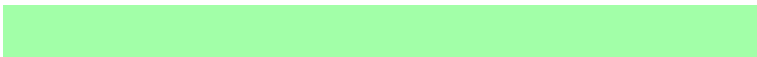
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6391, 86.6854, 47.4034



62.2029, 84.5808, 38.9545



57.7476, 82.0364, 49.9358



18.5124, 20.5501, 19.1352



22.1873, 39.1761, 6.3923



2.2825, 3.8774, 0.6281

Inverse Universe

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



58.9958, 47.5090, 100.6685



53.5029, 40.0334, 99.5150



71.2285, 53.9287, 96.1143



17.9940, 17.8887, 22.7544



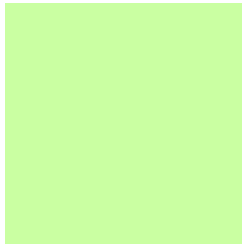
15.7375, 7.0234, 49.9608



1.6575, 0.7484, 4.8704

Previews

White Background



This preview shows how the XYZ color 66.6387, 86.6852, 47.4021 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 66.6387, 86.6852, 47.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

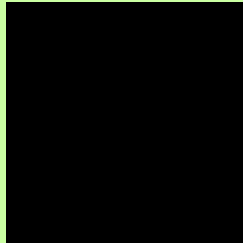
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

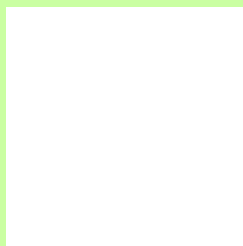
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6387, 86.6852, 47.4021

Background



This preview shows how black text looks on a background with the XYZ color 66.6387, 86.6852, 47.4021.

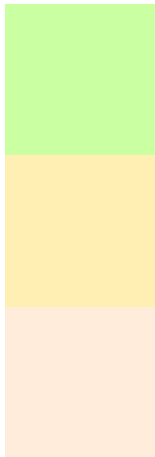


This preview shows how white text looks on a background with the XYZ color 66.6387, 86.6852,

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

66.6387, 86.6852, 47.4021

Protanopia

80.1424, 86.2074, 54.5352

Deuteranopia

83.8903, 86.3129, 78.5682



Tritanopia

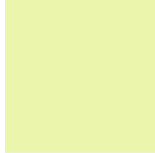
80.5426, 86.5716, 107.0727

Trichromacy



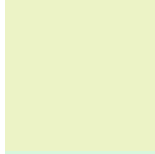
Original Color

66.6387, 86.6852, 47.4021



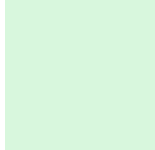
Protanomaly

74.6909, 86.1162, 51.7152



Deuteranomaly

76.8357, 86.0113, 65.9782



Tritanomaly

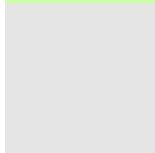
74.6308, 86.3409, 81.1386

Monochromacy



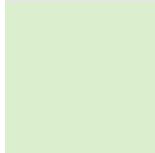
Original Color

66.6387, 86.6852, 47.4021



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.8074, 80.6169, 69.5863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6387, 86.6852, 47.4021 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(202, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 162)  
}
```

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(202, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 66.6387, 86.6852, 47.4021 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(202, 255, 162) }
```


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

```
.border{ border-color:rgb(202, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 255, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 255, 162); box-shadow:4px 4px 4px 4px rgb(202, 255, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6387, 86.6852, 47.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 162) }
```

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

```
.background{ background-color: rgb(202,  
255, 162) }
```

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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