

Converting Colors

XYZ(103.1983, 159.3739,
60.6289)

Have a look what the booklet for
XYZ(103.1983, 159.3739, 60.6289)
contains.

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Color

**XYZ(66.8180, 86.7569,
48.3460)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFA4
RGB	202, 255, 164
RGB Percent	79%, 100%, 64%
CMY	0.2078, 0.0000, 0.3569
CMYK	0.21, 0.00, 0.36, 0.00
HSL	95°, 100%, 82%
HSV	95°, 36%, 100%
XYZ	66.8180, 86.7569, 48.3460
YIQ	228.7790, -2.3770, -39.5370

Conversions

Conversions Part 2

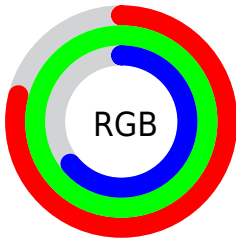
Format	Color
RYB	164, 255, 217
Decimal	13303716
CIELab	94.64, -32.29, 38.17
CIELCh	95, 49.996, 130.229
Yxy	86.7569, 0.3309, 0.4297
Android (android.graphics.Color)	4291493796 (0xFFCAFFA4)
YUV	228.7790, -31.9360, -23.4852
Hunter-Lab	93.1434, -34.9509, 34.4259

Details

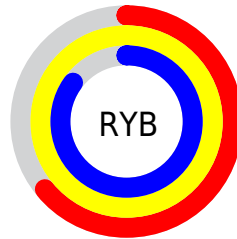
The XYZ color **66.8180, 86.7569, 48.3460** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.9417, 48.5239, 100.8145**, and the grayscale version is **74.5419, 78.4238, 85.4036**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **34.9174, 47.6469, 22.3953** is the 20% darker color. If you saturate the color by 10%, you get **60.9139, 83.9532, 37.2301**, and if you desaturate by 10%, it is **73.5715, 89.9451, 61.9142**.

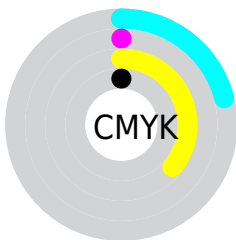
Distribution



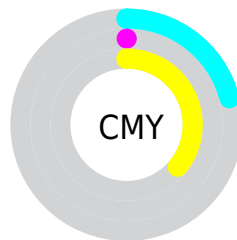
- Red (79%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (85%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8180, 86.7569, 48.3460 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 66.8180, 86.7569, 48.3460 by changing the saturation by 10% instead.

66.8180, 86.7569,
48.3460

66.8180, 86.7569,
48.3460

438.7393,
517.4237, 396.7102

49.2069, 65.2940,
33.7390

113.7108,
142.8253, 89.0902

34.9988, 47.6996,
22.4175

143.7232,
178.1995, 116.0646

23.8285, 33.5890,
13.9627

178.6001,
218.9798, 147.9985

15.3305, 22.5781,
7.9563

218.7069,
265.5503, 185.3105

9.1395, 14.2823,
3.9796

264.4088,
318.2956, 228.4191

4.8901, 8.3172,
1.6142

316.0713,

2.2170, 4.2986,

377.6000, 277.7429

0.3009

374.0597,
443.8479, 333.7004

0.7517, 1.8420,
0.0000

0.0000, 0.5131,
0.0000

66.8180, 86.7569,
48.3460

66.8180, 86.7569,
48.3460

60.9139, 83.9532,
37.2301

73.5715, 89.9451,
61.9142

55.8193, 81.5166,
28.4159

81.2089, 93.5328,
78.0652

51.4926, 79.4293,
21.7423

89.7645, 97.5348,
96.9251

47.8870, 77.6712,
17.0259

95.0500, 100.0000,
108.9000

■ 44.9494, 76.2196,
14.0524

■ 42.6163, 75.0476,
12.5562

■ 41.7612, 74.6137,
12.2009

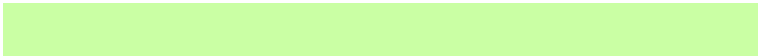
Harmonies

Analogous

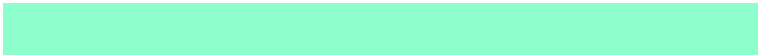
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9392, 86.7569, 38.6000



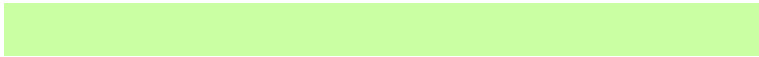
66.8180, 86.7569, 48.3460



60.3819, 86.7569, 71.5004

Triad

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



66.8180, 86.7569, 48.3460



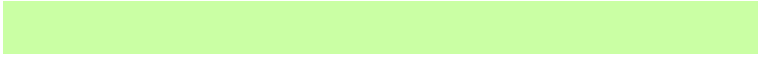
73.9944, 86.7569, 183.0209



110.7071, 86.7569, 81.8772

Complementary

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



66.8180, 86.7569, 48.3460



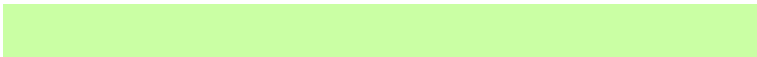
59.9417, 48.5239, 100.8145

Split Complementary

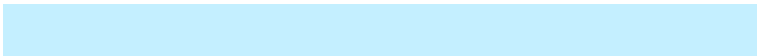
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.3538, 86.7569, 121.8817



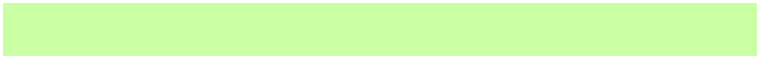
66.8180, 86.7569, 48.3460



87.1520, 86.7569, 188.0358

Square

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



66.8180, 86.7569, 48.3460



64.2016, 86.7569, 151.0143



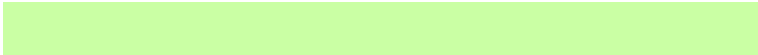
100.3701, 86.7569, 163.2764



103.8879, 86.7569, 54.1540

Rectangle

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



66.8180, 86.7569, 48.3460



59.1485, 86.7569, 94.7611



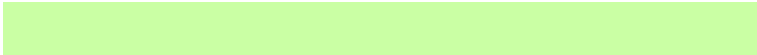
100.3701, 86.7569, 163.2764



111.2093, 86.7569, 94.1666

Sweetspot

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



66.8184, 86.7571, 48.3473



85.1011, 95.3554, 86.5570



72.3864, 72.8310, 45.3658



17.9696, 20.2951, 17.9875



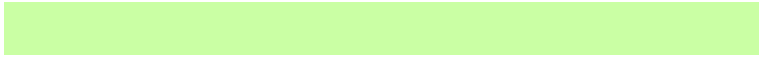
0.0000, 0.0000, 0.0000



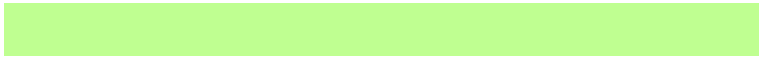
20.3446, 21.4041, 23.3091

Same Dimension

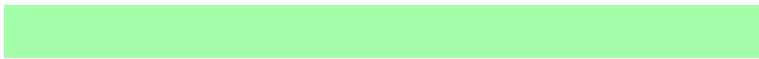
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8184, 86.7571, 48.3473



62.4182, 84.6693, 39.9828



58.3326, 82.3177, 50.8789



18.4903, 20.5386, 19.1341



21.9819, 39.0702, 6.3827



2.2613, 3.8665, 0.6271

Inverse Universe

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



59.9417, 48.5239, 100.8145



54.5838, 41.1643, 99.6764



71.6044, 54.6473, 96.3422



18.0167, 17.9003, 22.7555



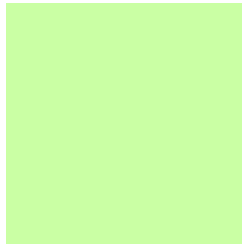
16.0361, 7.1774, 49.9748



1.6859, 0.7630, 4.8717

Previews

White Background



This preview shows how the XYZ color 66.8180, 86.7569, 48.3460 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 66.8180, 86.7569, 48.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

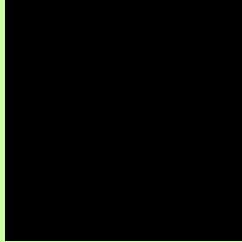
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

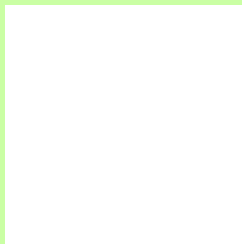
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8180, 86.7569, 48.3460

Background



This preview shows how black text looks on a background with the XYZ color 66.8180, 86.7569, 48.3460.

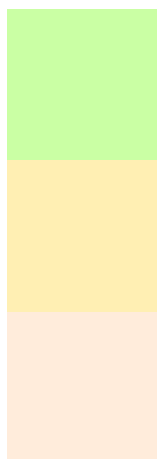


This preview shows how white text looks on a background with the XYZ color 66.8180, 86.7569,

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

66.8180, 86.7569, 48.3460

Protanopia

80.2432, 86.2477, 55.0660

Deuteranopia

84.0216, 86.3654, 79.2596



Tritanopia

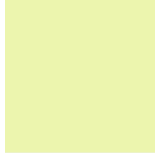
80.5426, 86.5716, 107.0727

Trichromacy



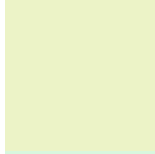
Original Color

66.8180, 86.7569, 48.3460



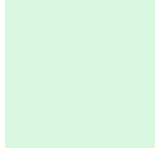
Protanomaly

74.8845, 86.1937, 52.7346



Deuteranomaly

76.9515, 86.0576, 66.5878



Tritanomaly

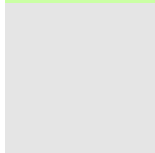
74.7645, 86.3944, 81.8425

Monochromacy



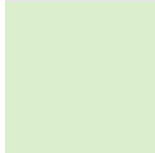
Original Color

66.8180, 86.7569, 48.3460



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 66.8180, 86.7569, 48.3460 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 66.8180, 86.7569, 48.3460 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, 164) }
```


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

```
.border{ border-color:rgb(202, 255, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8180, 86.7569, 48.3460 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, 164) }
```

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

```
.background{ background-color: rgb(202,  
255, 164) }
```

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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