

Converting Colors

XYZ(65.0712, 93.3265, 50.8196)

Have a look what the booklet for
XYZ(65.0712, 93.3265, 50.8196)
contains.

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Color

**XYZ(60.0985, 83.2718,
48.9819)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFFA6
RGB	174, 255, 166
RGB Percent	68%, 100%, 65%
CMY	0.3176, 0.0000, 0.3490
CMYK	0.32, 0.00, 0.35, 0.00
HSL	115°, 100%, 83%
HSV	115°, 35%, 100%
XYZ	60.0985, 83.2718, 48.9819
YIQ	220.6350, -19.7070, -44.8510

Conversions

Conversions Part 2

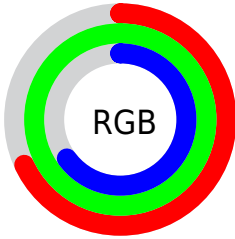
Format	Color
RYB	166, 255, 247
Decimal	11468710
CIELab	93.13, -41.25, 34.92
CIElCh	93, 54.042, 139.754
Yxy	83.2718, 0.3124, 0.4329
Android (android.graphics.Color)	4289658790 (0xFFAEFFA6)
YUV	220.6350, -26.9351, -40.8989
Hunter-Lab	91.2534, -42.1352, 32.0524

Details

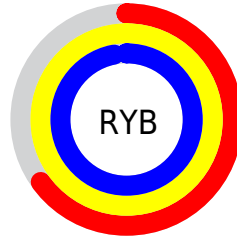
The XYZ color **60.0985, 83.2718, 48.9819** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70.0449, 54.2678, 101.3907**, and the grayscale version is **68.6637, 72.2396, 78.6689**.

A 20% lighter version of the original color is **82.2235, 93.9497, 82.9077**, and **30.6459, 45.4320, 22.7768** is the 20% darker color. If you saturate the color by 10%, you get **53.2549, 79.9878, 37.6381**, and if you desaturate by 10%, it is **68.3002, 87.2024, 62.8126**.

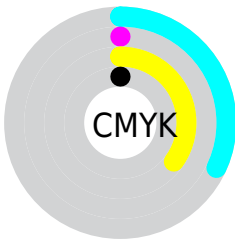
Distribution



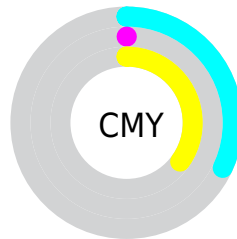
- Red (68%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (97%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0985, 83.2718, 48.9819 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 60.0985, 83.2718, 48.9819 by changing the saturation by 10% instead.

60.0985, 83.2718,
48.9819

60.0985, 83.2718,
48.9819

414.7897,
505.8919, 399.2915

43.7478, 62.4144,
34.2396

104.0781,
137.9561, 90.0453

30.6693, 45.3676,
22.7989

132.4377,
172.5517, 117.2035

20.4978, 31.7471,
14.2412

165.5309,
212.4956, 149.3374

12.8678, 21.1684,
8.1479

203.7232,
258.1721, 186.8655

7.4139, 13.2472,
4.1006

247.3798,
309.9656, 230.2065

3.7709, 7.5990,
1.6807

296.8662,

1.5734, 3.8394,

368.2604, 279.7787

0.3475

352.5477,
433.4411, 336.0009

■ 0.3750, 1.5841,
0.0000

■ 0.0000, 0.3469,
0.0000

■ 60.0985, 83.2718,
48.9819

■ 60.0985, 83.2718,
48.9819

■ 53.2549, 79.9878,
37.6381

■ 68.3002, 87.2024,
62.8126

■ 47.6944, 77.3149,
28.6299

■ 77.9265, 91.8108,
79.2615

■ 43.3371, 75.2154,
21.7961

■ 89.0411, 97.1273,
98.4552

■ 40.0933, 73.6470,
16.9530

95.0500, 100.0000,
108.9000

■ 37.8606, 72.5616,
13.8868

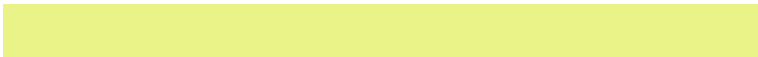
■ 36.5174, 71.9021,
12.3347

■ 36.1115, 71.7012,
11.9364

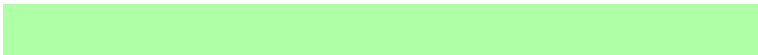
Harmonies

Analogous

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



70.2809, 83.2718, 35.2265



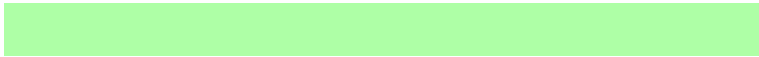
60.0985, 83.2718, 48.9819



55.2241, 83.2718, 77.4707

Triad

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



60.0985, 83.2718, 48.9819



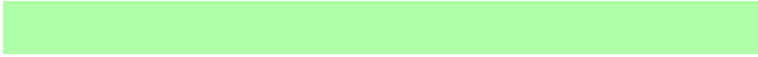
74.3937, 83.2718, 191.3228



107.6967, 83.2718, 66.7442

Complementary

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



60.0985, 83.2718, 48.9819



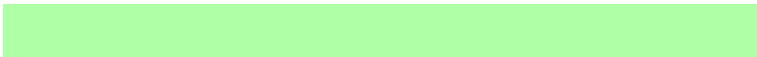
70.0449, 54.2678, 101.3907

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.



109.1402, 83.2718, 105.2868



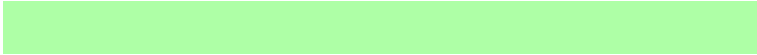
60.0985, 83.2718, 48.9819



88.7298, 83.2718, 185.8614

Square

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



60.0985, 83.2718, 48.9819



62.7992, 83.2718, 164.3273



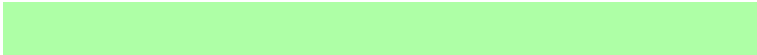
101.8478, 83.2718, 151.0875



98.1117, 83.2718, 43.1554

Rectangle

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



60.0985, 83.2718, 48.9819



55.1921, 83.2718, 104.5594



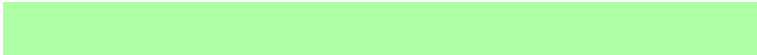
101.8478, 83.2718, 151.0875



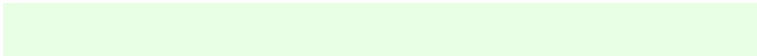
109.1906, 83.2718, 78.0665

Sweetspot

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



60.0990, 83.2721, 48.9832



83.1840, 94.3261, 88.3178



81.1094, 89.9858, 49.1717



17.4742, 20.0315, 18.3332



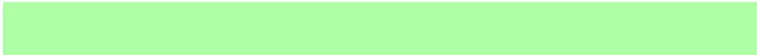
0.0000, 0.0000, 0.0000



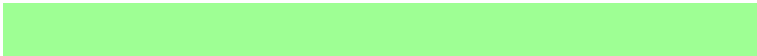
20.3446, 21.4041, 23.3091

Same Dimension

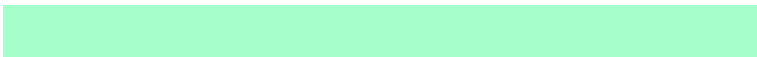
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.0990, 83.2721, 48.9832



55.1048, 80.8760, 40.6818



62.1000, 83.8727, 68.5461



17.9229, 20.2462, 19.1076



18.9199, 37.4917, 6.2394



1.8910, 3.6756, 0.6098

Inverse Universe

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



70.0449, 54.2678, 101.3907



66.4112, 47.8483, 100.3431



67.7157, 53.6690, 74.0851



18.6222, 18.2125, 22.7838



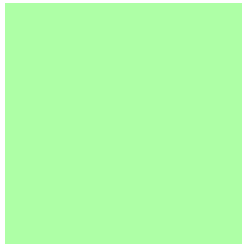
26.9008, 12.7783, 50.4832



2.6644, 1.2675, 4.9175

Previews

White Background



This preview shows how the XYZ color 60.0985, 83.2718, 48.9819 looks on a white background.

Color Contrast Check

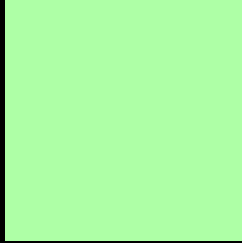
Large Text (above 18pt) WCAG AA × Fail

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 60.0985, 83.2718, 48.9819 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

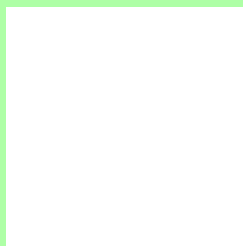
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.0985, 83.2718, 48.9819

Background



This preview shows how black text looks on a background with the XYZ color 60.0985, 83.2718, 48.9819.

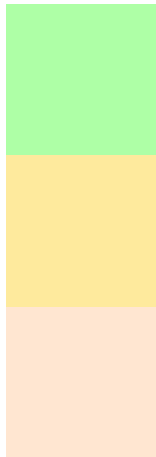


This preview shows how white text looks on a background with the XYZ color 60.0985, 83.2718,

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

60.0985, 83.2718, 48.9819

Protanopia

76.3817, 82.3508, 43.7678

Deuteranopia

81.0454, 82.4571, 71.9659



Tritanopia

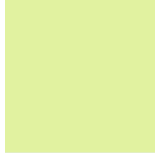
74.6821, 83.1097, 106.7134

Trichromacy



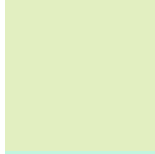
Original Color

60.0985, 83.2718, 48.9819



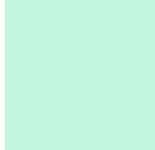
Protanomaly

69.1486, 82.0499, 45.4504



Deuteranomaly

71.8562, 81.7520, 62.4446



Tritanomaly

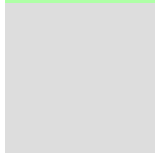
68.5232, 82.7086, 82.1648

Monochromacy



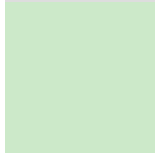
Original Color

60.0985, 83.2718, 48.9819



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.5834, 75.3322, 66.3950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0985, 83.2718, 48.9819 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(174, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 166)  
}
```

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(174, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 60.0985, 83.2718, 48.9819 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(174, 255, 166) }
```


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

```
.border{ border-color:rgb(174, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0985, 83.2718, 48.9819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 166) }
```

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

```
.background{ background-color: rgb(174,  
255, 166) }
```

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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