

Converting Colors

XYZ(56.9893, 76.9133, 51.1831)

Have a look what the booklet for
XYZ(56.9893, 76.9133, 51.1831)
contains.

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Color

**XYZ(56.9898, 76.9799,
51.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF5AD
RGB	171, 245, 173
RGB Percent	67%, 96%, 68%
CMY	0.3294, 0.0392, 0.3216
CMYK	0.30, 0.00, 0.29, 0.04
HSL	122°, 79%, 82%
HSV	122°, 30%, 96%
XYZ	56.9898, 76.9799, 51.3901
YIQ	214.6660, -20.9920, -38.0800

Conversions

Conversions Part 2

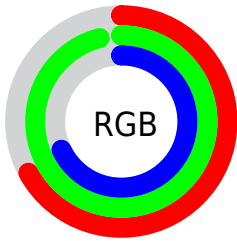
Format	Color
RYB	171, 243, 245
Decimal	11269549
CIELab	90.31, -36.62, 27.58
CIELCh	90, 45.845, 143.016
Yxy	76.9799, 0.3075, 0.4153
Android (android.graphics.Color)	4289459629 (0xFFABF5AD)
YUV	214.6660, -20.5413, -38.2951
Hunter-Lab	87.7382, -37.5983, 26.6893

Details

The XYZ color **56.9898, 76.9799, 51.3901** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.3993, 55.0109, 91.8101**, and the grayscale version is **64.5117, 67.8714, 73.9119**.

A 20% lighter version of the original color is **81.8978, 93.6711, 87.8926**, and **28.5758, 41.0355, 24.1838** is the 20% darker color. If you saturate the color by 10%, you get **50.0351, 73.6400, 40.0795**, and if you desaturate by 10%, it is **65.3492, 81.0008, 64.9179**.

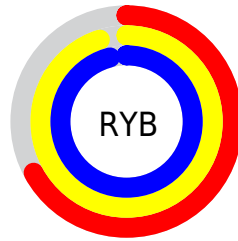
Distribution



Red (67%)

Green (96%)

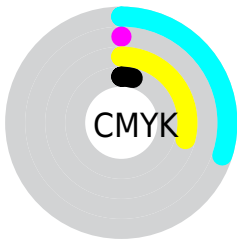
Blue (68%)



Red (67%)

Yellow (95%)

Blue (96%)

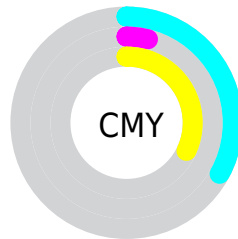


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (4%)



Cyan (33%)


Magenta (4%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9898, 76.9799, 51.3901 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 56.9898, 76.9799, 51.3901 by changing the saturation by 10% instead.


 56.9898, 76.9799,
51.3901

 56.9898, 76.9799,
51.3901


403.4259,
484.6955, 408.9673

 41.2372, 57.2364,
36.1403


 99.5817, 129.1111,
93.6485

 28.6929, 41.1951,
24.2520


127.1518,
162.2676, 121.4942

 18.9918, 28.4715,
15.3067


159.3916,
200.6638, 154.3757

 11.7683, 18.6814,
8.8859

196.6667,
244.6842, 192.7113

 6.6572, 11.4403,
4.5711

239.3423,
294.7132, 236.9198

 3.2931, 6.3638,
1.9436


287.7838,


 1.3106, 3.0675,


351.1352, 287.4195


0.5202


342.3565,
414.3345, 344.6292


 0.1911, 1.1671,
0.0000


 0.0000, 0.0346,
0.0000


 56.9898, 76.9799,
51.3901


 56.9898, 76.9799,
51.3901


 50.0351, 73.6400,
40.0795


 65.3492, 81.0008,
64.9179


 44.4026, 70.9345,
30.8631

 75.1780, 85.7272,
80.7667

 40.0101, 68.8260,
23.6138

 86.5444, 91.1941,
99.0402

 36.7642, 67.2694,
18.1889

 91.9439, 93.7879,
107.8646

■ 34.5580, 66.2130,
14.4260

■ 33.2646, 65.5957,
12.1346

■ 32.6902, 65.3224,
11.0758

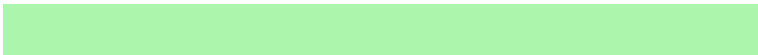
Harmonies

Analogous

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



64.9124, 76.9799, 38.2354



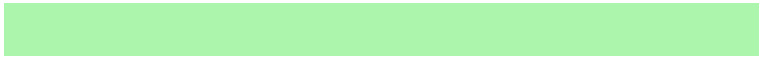
56.9898, 76.9799, 51.3901



53.4628, 76.9799, 76.4011

Triad

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



56.9898, 76.9799, 51.3901



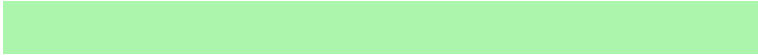
70.5293, 76.9799, 163.0236



95.2973, 76.9799, 61.5542

Complementary

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



56.9898, 76.9799, 51.3901



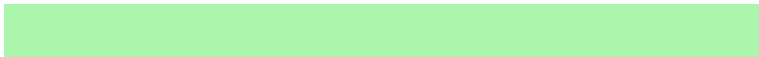
68.3993, 55.0109, 91.8101

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.



97.2004, 76.9799, 91.7001



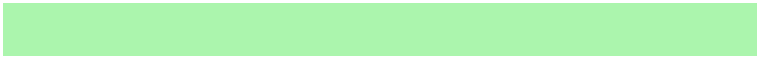
56.9898, 76.9799, 51.3901



82.0935, 76.9799, 156.0516

Square

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



56.9898, 76.9799, 51.3901



60.7353, 76.9799, 144.7622



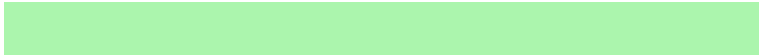
92.1481, 76.9799, 127.6318



87.1892, 76.9799, 42.9483

Rectangle

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



56.9898, 76.9799, 51.3901



53.7890, 76.9799, 98.7958



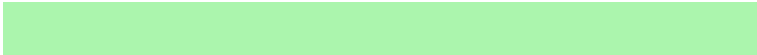
92.1481, 76.9799, 127.6318



96.7163, 76.9799, 70.4361

Sweetspot

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



56.9918, 76.9832, 51.3918



83.7159, 94.5486, 90.6818



77.2338, 87.4405, 51.3356



17.5544, 20.0621, 18.8233



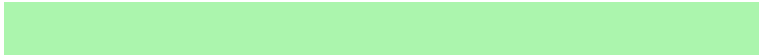
0.0000, 0.0000, 0.0000



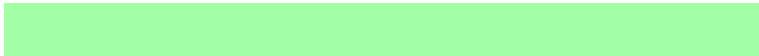
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9918, 76.9832, 51.3918



57.7591, 82.0692, 48.7207



60.9867, 78.5811, 72.4285



16.3004, 18.4793, 17.6001



17.6181, 35.1921, 6.0087



1.5547, 3.0955, 0.5611

Inverse Universe

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



68.3993, 55.0109, 91.8101



72.0255, 54.5866, 99.2660



63.4554, 53.0333, 65.7759



17.1931, 16.7601, 20.7636



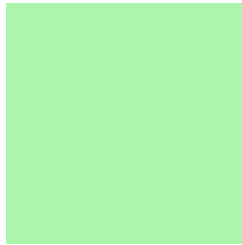
28.6385, 13.7989, 44.9324



2.5231, 1.2152, 3.9808

Previews

White Background



This preview shows how the XYZ color 56.9898, 76.9799, 51.3901 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 56.9898, 76.9799, 51.3901 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 56.9898, 76.9799, 51.3901

Background



This preview shows how black text looks on a background with the XYZ color 56.9898, 76.9799, 51.3901.

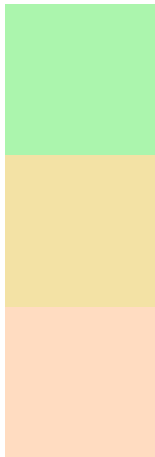


This preview shows how white text looks on a background with the XYZ color 56.9898, 76.9799, 51.3901.

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

56.9898, 76.9799, 51.3901

Protanopia

70.9500, 76.1640, 46.5590

Deuteranopia

76.4588, 76.2967, 61.1490



Tritanopia

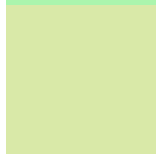
67.6877, 76.9476, 104.2134

Trichromacy



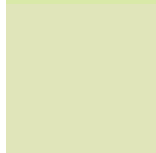
Original Color

56.9898, 76.9799, 51.3901



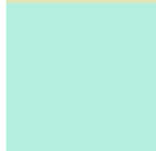
Protanomaly

64.8221, 75.8567, 48.2711



Deuteranomaly

67.6227, 75.4311, 57.4499



Tritanomaly

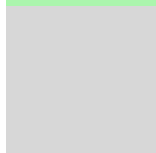
63.3771, 76.9386, 82.0313

Monochromacy



Original Color

56.9898, 76.9799, 51.3901



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1749, 70.7050, 65.0667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9898, 76.9799, 51.3901 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(171, 245, 173)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 173)  
}
```

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(171, 245, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 173) }
```

Border

The CSS property to change the border of an element to XYZ 56.9898, 76.9799, 51.3901 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(171, 245, 173) }
```


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

```
.border{ border-color:rgb(171, 245, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 173);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9898, 76.9799, 51.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 173) }
```

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

```
.background{ background-color: rgb(171,  
245, 173) }
```

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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