

Converting Colors

XYZ(56.5033, 75.7854, 49.4864)

Have a look what the booklet for
XYZ(56.5033, 75.7854, 49.4864)
contains.

XYZ(56.5399, 75.8877, 49.6980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.5399, 75.8877,
49.6980)**

Conversions

Conversions Part 1

Format	Color
Hex	ADF3AA
RGB	173, 243, 170
RGB Percent	68%, 95%, 67%
CMY	0.3216, 0.0470, 0.3333
CMYK	0.29, 0.00, 0.30, 0.05
HSL	118°, 75%, 81%
HSV	118°, 30%, 95%
XYZ	56.5399, 75.8877, 49.6980
YIQ	213.7480, -18.2870, -37.5430

Conversions

Conversions Part 2

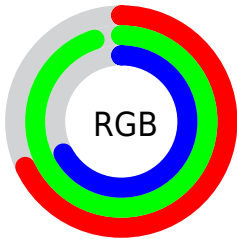
Format	Color
RYB	170, 243, 240
Decimal	11400106
CIELab	89.81, -35.56, 28.44
CIElCh	90, 45.529, 141.348
Yxy	75.8877, 0.3104, 0.4167
Android (android.graphics.Color)	4289590186 (0xFFADF3AA)
YUV	213.7480, -21.5678, -35.7360
Hunter-Lab	87.1135, -36.5956, 27.1547

Details

The XYZ color **56.5399, 75.8877, 49.6980** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.4908, 53.7480, 91.6679**, and the grayscale version is **63.8980, 67.2256, 73.2087**.

A 20% lighter version of the original color is **82.1206, 93.8340, 85.7351**, and **28.2410, 40.2537, 23.1109** is the 20% darker color. If you saturate the color by 10%, you get **49.7396, 72.6257, 38.4693**, and if you desaturate by 10%, it is **64.6677, 79.7893, 63.2099**.

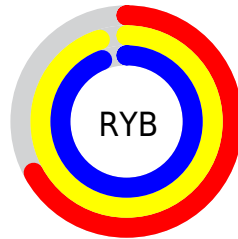
Distribution



Red (68%)

Green (95%)

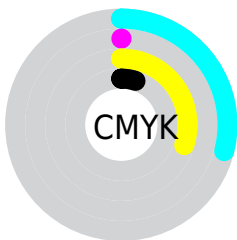
Blue (67%)



Red (67%)

Yellow (95%)

Blue (94%)

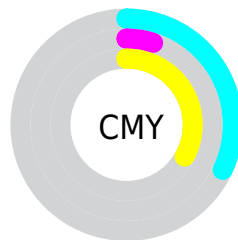


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (5%)



Cyan (32%)

Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5399, 75.8877, 49.6980 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 56.5399, 75.8877, 49.6980 by changing the saturation by 10% instead.

■ 56.5399, 75.8877,
49.6980

■ 56.5399, 75.8877,
49.6980

401.7651,
480.9632, 402.1849

■ 40.8747, 56.3404,
34.8040

■ 98.9288, 127.5682,
91.1190

■ 28.4084, 40.4759,
23.2296

126.3831,
160.4701, 118.4830

■ 18.7758, 27.9098,
14.5562

158.4978,
198.5924, 150.8408

■ 11.6114, 18.2577,
8.3654

195.6384,
242.3195, 188.6108

■ 6.5500, 11.1352,
4.2385

238.1700,
292.0357, 232.2118

■ 3.2261, 6.1578,
1.7571


286.4581,

■ 1.2744, 2.9413,


348.1255, 282.0621


0.3994


340.8680,
410.9732, 338.5803

 0.1640, 1.1012,
0.0000


 0.0000, 0.0000,
0.0000


 56.5399, 75.8877,
49.6980


 56.5399, 75.8877,
49.6980


 49.7396, 72.6257,
38.4693

 64.6677, 79.7893,
63.2099


 44.1908, 69.9604,
29.3931

 74.1821, 84.3520,
79.1161

 39.8188, 67.8583,
22.3332

 85.1456, 89.6077,
97.5262

 36.5388, 66.2790,
17.1360

 91.3421, 92.5842,
107.6640

■ 34.2544, 65.1767,
13.6257

■ 32.8523, 64.4974,
11.5928

■ 32.1770, 64.1686,
10.6899

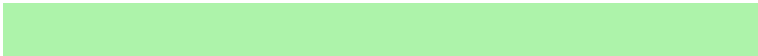
Harmonies

Analogous

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



64.5475, 75.8877, 37.3635



56.5399, 75.8877, 49.6980



52.8112, 75.8877, 73.6669

Triad

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



56.5399, 75.8877, 49.6980



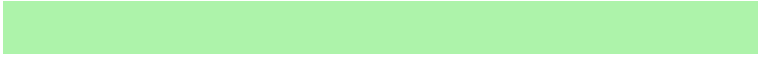
68.9278, 75.8877, 160.1235



94.1776, 75.8877, 62.0918

Complementary

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



56.5399, 75.8877, 49.6980



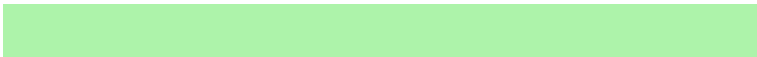
66.4908, 53.7480, 91.6679

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.



95.6623, 75.8877, 92.2896



56.5399, 75.8877, 49.6980



80.2820, 75.8877, 154.6828

Square

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



56.5399, 75.8877, 49.6980



59.4603, 75.8877, 140.9724



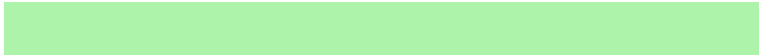
90.3486, 75.8877, 127.6067



86.4802, 75.8877, 43.1191

Rectangle

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



56.5399, 75.8877, 49.6980



52.9547, 75.8877, 95.4095



90.3486, 75.8877, 127.6067



95.4494, 75.8877, 71.0437

Sweetspot

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



56.5419, 75.8909, 49.6997



83.9345, 94.6715, 90.2308



75.1903, 83.8989, 50.2625



17.6077, 20.0920, 18.7135



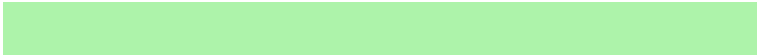
0.0000, 0.0000, 0.0000



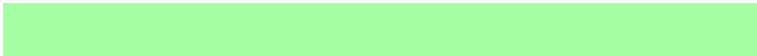
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5419, 75.8909, 49.6997



58.3191, 82.3839, 47.5723



59.3922, 76.9553, 68.1320



16.3451, 18.5045, 17.5078



17.6862, 35.2304, 5.8680



1.5762, 3.1076, 0.5168

Inverse Universe

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



66.4908, 53.7480, 91.6679



71.0489, 54.0372, 101.2933



62.9910, 52.4667, 67.8803



17.1424, 16.7316, 20.8686



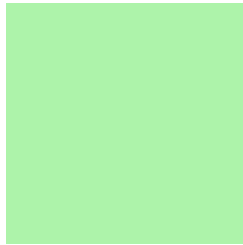
27.3546, 13.0761, 47.6202



2.4247, 1.1598, 4.1863

Previews

White Background



This preview shows how the XYZ color 56.5399, 75.8877, 49.6980 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 56.5399, 75.8877, 49.6980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

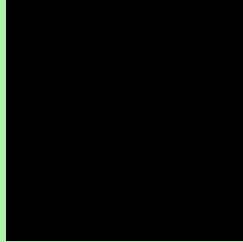
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5399, 75.8877, 49.6980

Background



This preview shows how black text looks on a background with the XYZ color 56.5399, 75.8877, 49.6980.



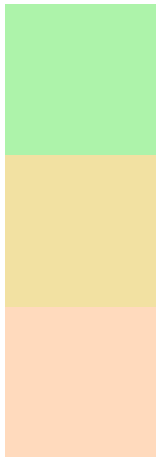
This preview shows how white text looks on a background with the XYZ color 56.5399, 75.8877,

49.6980.

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

56.5399, 75.8877, 49.6980

Protanopia

70.0648, 75.3363, 45.0310

Deuteranopia

75.4967, 75.0769, 58.6563



Tritanopia

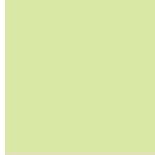
67.2905, 75.9342, 102.3770

Trichromacy



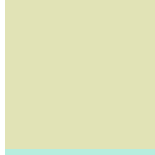
Original Color

56.5399, 75.8877, 49.6980



Protanomaly

64.2634, 75.1816, 46.7218



Deuteranomaly

66.9639, 74.3231, 55.0724



Tritanomaly

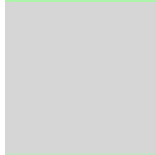
62.9974, 75.9096, 80.4389

Monochromacy



Original Color

56.5399, 75.8877, 49.6980



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.6714, 70.0698, 63.7532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5399, 75.8877, 49.6980 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(173, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 243, 170)  
}
```

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(173, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 243, 170) }
```

Border

The CSS property to change the border of an element to XYZ 56.5399, 75.8877, 49.6980 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(173, 243, 170) }
```


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

```
.border{ border-color:rgb(173, 243, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 243, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 243, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 243, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 243,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5399, 75.8877, 49.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 243, 170) }
```

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

```
.background{ background-color: rgb(173,  
243, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor