

Converting Colors

XYZ(56.6120, 76.3607, 51.0303)

Have a look what the booklet for
XYZ(56.6120, 76.3607, 51.0303)
contains.

XYZ(56.5917, 76.3379, 50.7817)	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(56.5917, 76.3379,
50.7817)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF4AC
RGB	171, 244, 172
RGB Percent	67%, 96%, 67%
CMY	0.3294, 0.0431, 0.3255
CMYK	0.30, 0.00, 0.30, 0.04
HSL	121°, 77%, 81%
HSV	121°, 30%, 96%
XYZ	56.5917, 76.3379, 50.7817
YIQ	213.9650, -20.3960, -37.8680

Conversions

Conversions Part 2

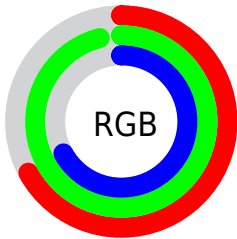
Format	Color
RYB	171, 243, 244
Decimal	11269292
CIELab	90.02, -36.33, 27.69
CIElCh	90, 45.675, 142.688
Yxy	76.3379, 0.3080, 0.4155
Android (android.graphics.Color)	4289459372 (0xFFABF4AC)
YUV	213.9650, -20.6887, -37.6803
Hunter-Lab	87.3716, -37.2835, 26.6998

Details

The XYZ color **56.5917, 76.3379, 50.7817** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.0514, 54.8316, 91.7941**, and the grayscale version is **64.0393, 67.3743, 73.3707**.

A 20% lighter version of the original color is **81.7585, 93.6154, 87.1592**, and **28.3026, 40.5856, 23.7949** is the 20% darker color. If you saturate the color by 10%, you get **49.6536, 73.0067, 39.4653**, and if you desaturate by 10%, it is **64.9334, 80.3487, 64.3518**.

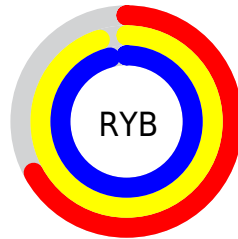
Distribution



Red (67%)

Green (96%)

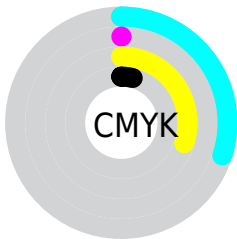
Blue (67%)



Red (67%)

Yellow (95%)

Blue (96%)

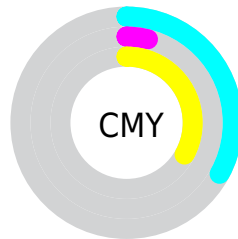


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (4%)



Cyan (33%)


Magenta (4%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5917, 76.3379, 50.7817 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 56.5917, 76.3379, 50.7817 by changing the saturation by 10% instead.

 56.5917, 76.3379,
50.7817

 56.5917, 76.3379,
50.7817


401.9565,
482.5036, 406.5374

 40.9164, 56.7096,
35.6594


 99.0040, 128.2044,
92.7402

 28.4411, 40.7722,
23.8836


126.4717,
161.2115, 120.4135

 18.8006, 28.1411,
15.0359

158.6008,
199.4469, 153.1075

 11.6294, 18.4320,
8.6977

195.7568,
243.2951, 191.2407

 6.5623, 11.2606,
4.4504

238.3051,
293.1405, 235.2318

 3.2338, 6.2424,
1.8756


286.6109,


 1.2786, 2.9930,


349.3674, 285.4993


0.4771


341.0396,
412.3603, 342.4616


 0.1671, 1.1281,
0.0000


 0.0000, 0.0018,
0.0000

 56.5917, 76.3379,
50.7817


 56.5917, 76.3379,
50.7817


 49.6536, 73.0067,
39.4653

 64.9334, 80.3487,
64.3518


 44.0365, 70.3086,
30.2758

 74.7436, 85.0636,
80.2828

 39.6584, 68.2063,
23.0820

 86.0904, 90.5176,
98.6815

 36.4256, 66.6547,
17.7357

 91.6422, 93.1844,
107.7641

■ 34.2313, 65.6023,
14.0686

■ 32.9482, 64.9880,
11.8815

■ 32.3741, 64.7134,
10.8863

■ 32.3705, 64.7117,
10.8806

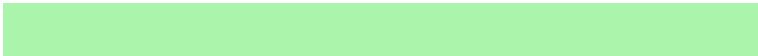
Harmonies

Analogous

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



64.4842, 76.3379, 37.8658



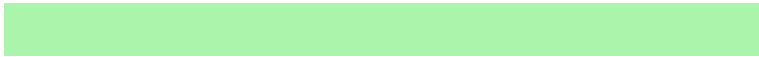
56.5917, 76.3379, 50.7817



53.0456, 76.3379, 75.4386

Triad

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



56.5917, 76.3379, 50.7817



69.8231, 76.3379, 161.5062



94.5382, 76.3379, 61.3268

Complementary

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



56.5917, 76.3379, 50.7817



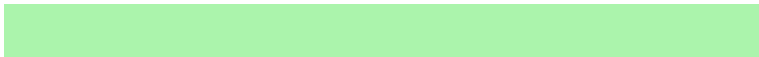
68.0514, 54.8316, 91.7941

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.



96.3471, 76.3379, 91.3037



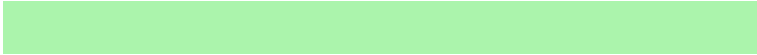
56.5917, 76.3379, 50.7817



81.2767, 76.3379, 154.8796

Square

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



56.5917, 76.3379, 50.7817



60.1518, 76.3379, 143.1795



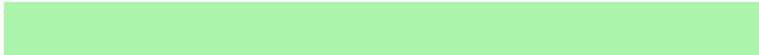
91.2734, 76.3379, 126.8978



86.5600, 76.3379, 42.7575

Rectangle

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



56.5917, 76.3379, 50.7817



53.3338, 76.3379, 97.5704



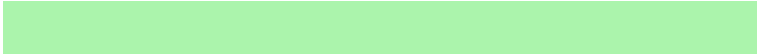
91.2734, 76.3379, 126.8978



95.9195, 76.3379, 70.1700

Sweetspot

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



56.5937, 76.3411, 50.7834



83.6723, 94.5311, 90.4521



77.0130, 86.8787, 51.2390



17.5438, 20.0579, 18.7674



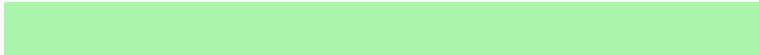
0.0000, 0.0000, 0.0000



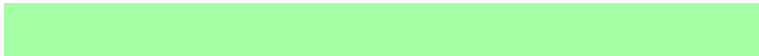
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5937, 76.3411, 50.7834



57.6476, 82.0246, 48.1336



60.4712, 77.8921, 71.2020



16.2914, 18.4757, 17.5531



17.6045, 35.1866, 5.9371



1.5504, 3.0938, 0.5385

Inverse Universe

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



68.0514, 54.8316, 91.7941



72.2207, 54.6647, 100.2937



63.1972, 52.8899, 66.2324



17.2033, 16.7642, 20.8170



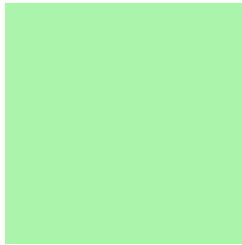
28.8957, 13.9017, 46.2868



2.5428, 1.2231, 4.0845

Previews

White Background



This preview shows how the XYZ color 56.5917, 76.3379, 50.7817 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 56.5917, 76.3379, 50.7817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

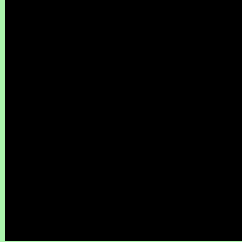
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5917, 76.3379, 50.7817

Background



This preview shows how black text looks on a background with the XYZ color 56.5917, 76.3379, 50.7817.

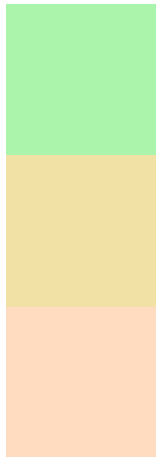


This preview shows how white text looks on a background with the XYZ color 56.5917, 76.3379, 50.7817.

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

56.5917, 76.3379, 50.7817

Protanopia

70.2440, 75.4080, 45.9749

Deuteranopia

75.9755, 75.6846, 59.8945



Tritanopia

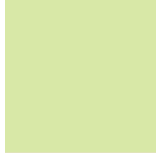
67.2432, 76.3130, 103.2813

Trichromacy



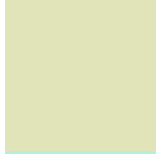
Original Color

56.5917, 76.3379, 50.7817



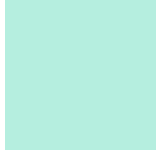
Protanomaly

64.1506, 75.1022, 47.6743



Deuteranomaly

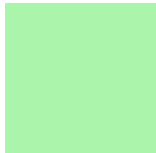
67.1356, 74.7948, 56.2458



Tritanomaly

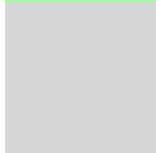
62.9499, 76.3005, 81.2217

Monochromacy



Original Color

56.5917, 76.3379, 50.7817



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.5227, 69.9797, 64.3504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5917, 76.3379, 50.7817 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, 244, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 244, 172)  
}
```

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, 244, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 244, 172) }
```

Border

The CSS property to change the border of an element to XYZ 56.5917, 76.3379, 50.7817 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, 244, 172) }
```


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

```
.border{ border-color:rgb(171, 244, 172) }
```

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

Here you see how a box with a 4 pixel rgb(171, 244, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 244, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 244, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 244,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5917, 76.3379, 50.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 244, 172) }
```

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

```
.background{ background-color: rgb(171,  
244, 172) }
```

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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