

Converting Colors

XYZ(56.8177, 76.0276, 70.0727)

Have a look what the booklet for
XYZ(56.8177, 76.0276, 70.0727)
contains.

XYZ(56.8177, 76.0276, 70.0727)	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(56.8177, 76.0276,
70.0727)**

Conversions

Conversions Part 1

Format	Color
Hex	9AF4CE
RGB	154, 244, 206
RGB Percent	60%, 96%, 81%
CMY	0.3961, 0.0431, 0.1921
CMYK	0.37, 0.00, 0.16, 0.04
HSL	155°, 80%, 78%
HSV	155°, 37%, 96%
XYZ	56.8177, 76.0276, 70.0727
YIQ	212.7580, -41.4420, -30.8980

Conversions

Conversions Part 2

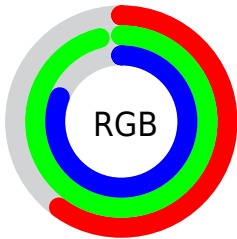
Format	Color
RYB	154, 211, 244
Decimal	10155214
CIELab	89.87, -35.15, 9.86
CIELCh	90, 36.507, 164.323
Yxy	76.0276, 0.2800, 0.3747
Android (android.graphics.Color)	4288345294 (0xFF9AF4CE)
YUV	212.7580, -3.3317, -51.5308
Hunter-Lab	87.1938, -36.2740, 13.3877

Details

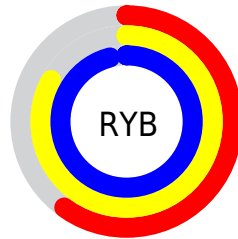
The XYZ color **56.8177, 76.0276, 70.0727** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.3809, 46.1520, 55.7035**, and the grayscale version is **63.1272, 66.4148, 72.3257**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **28.5834, 40.4603, 36.0089** is the 20% darker color. If you saturate the color by 10%, you get **51.4266, 73.3903, 63.5004**, and if you desaturate by 10%, it is **63.2389, 79.1905, 77.1248**.

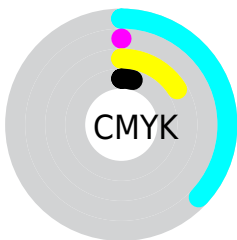
Distribution



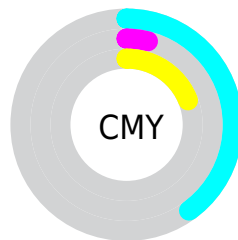
- Red (60%)
- Green (96%)
- Blue (81%)



- Red (60%)
- Yellow (83%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)





- Cyan (40%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8177, 76.0276, 70.0727 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 56.8177, 76.0276, 70.0727 by changing the saturation by 10% instead.


 56.8177, 76.0276,
70.0727


 56.8177, 76.0276,
70.0727


402.7911,
481.4422, 479.6012

 41.0985, 56.4551,
51.1086


 99.3320, 127.7659,
120.9945

 28.5840, 40.5680,
35.9177


 126.8578,
160.7006, 153.7893

 18.9091, 27.9816,
24.0815


159.0499,
198.8581, 192.0315

 11.7082, 18.3118,
15.1813

196.2735,
242.6228, 236.1395

 6.6161, 11.1741,
8.7987

238.8941,
292.3792, 286.5320

 3.2674, 6.1841,
4.5151


287.2770,


 1.2967, 2.9573,


348.5116, 343.6274


1.9120


341.7875,
411.4045, 407.8443


 0.1807, 1.1095,
0.5003

 0.0000, 0.0000,
0.0000


 56.8177, 76.0276,
70.0727

 56.8177, 76.0276,
70.0727


 51.4266, 73.3903,
63.5004


 63.2389, 79.1905,
77.1248


 47.0003, 71.2391,
57.3918

 70.7382, 82.8975,
84.6620

 43.4754, 69.5435,
51.7373

 79.3680, 87.1774,
92.6961

 40.7779, 68.2654,
46.5247

 89.1753, 92.0544,
101.2368

■ 38.8211, 67.3605,
41.7409

■ 91.6420, 93.1841,
107.7640

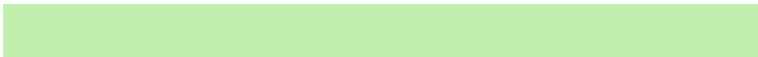
■ 37.4953, 66.7724,
37.3717

■ 37.1579, 66.6264,
36.0915

Harmonies

Analogous

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



60.8094, 76.0276, 52.0901



56.8177, 76.0276, 70.0727



56.7274, 76.0276, 95.6864

Triad

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



56.8177, 76.0276, 70.0727



76.6378, 76.0276, 140.8322



85.3925, 76.0276, 52.7017

Complementary

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



56.8177, 76.0276, 70.0727



58.3809, 46.1520, 55.7035

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.



90.4014, 76.0276, 71.0917



56.8177, 76.0276, 70.0727



85.0691, 76.0276, 123.6400

Square

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



56.8177, 76.0276, 70.0727



67.6764, 76.0276, 140.3999



90.2783, 76.0276, 96.9401



77.0501, 76.0276, 43.5783

Rectangle

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



56.8177, 76.0276, 70.0727



58.8648, 76.0276, 114.0635



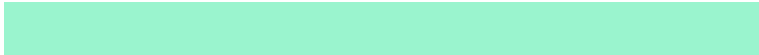
90.2783, 76.0276, 96.9401



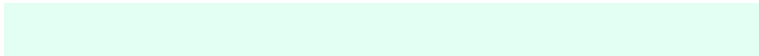
87.5516, 76.0276, 57.8151

Sweetspot

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



56.8198, 76.0307, 70.0744



83.6240, 94.3233, 98.7164



60.1782, 78.3752, 42.5292



17.6209, 20.0511, 20.8708



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.



56.8198, 76.0307, 70.0744



58.3921, 81.8774, 72.1589



60.2326, 74.5538, 96.8073



16.6836, 18.6326, 19.6183



20.2734, 36.2542, 19.9912



1.8331, 3.2069, 2.0271

Inverse Universe

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



58.3809, 46.1520, 55.7035



60.3459, 44.5703, 54.2382



55.7140, 46.7097, 36.6524



16.7894, 16.5986, 18.6378



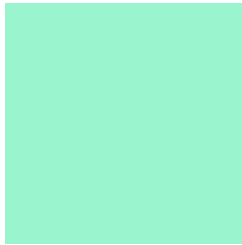
21.6829, 11.0166, 8.3047



1.9559, 0.9883, 0.9941

Previews

White Background



This preview shows how the XYZ color 56.8177, 76.0276, 70.0727 looks on a white background.

Color Contrast Check

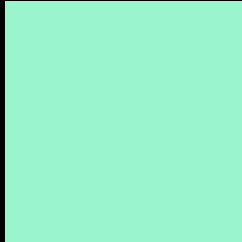
Large Text (above 18pt) WCAG AA × Fail

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 56.8177, 76.0276, 70.0727 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 56.8177, 76.0276, 70.0727

Background



This preview shows how black text looks on a background with the XYZ color 56.8177, 76.0276, 70.0727.

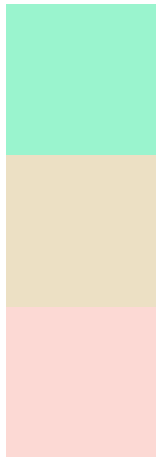


This preview shows how white text looks on a background with the XYZ color 56.8177, 76.0276, 70.0727.

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

56.8177, 76.0276, 70.0727

Protanopia

71.2115, 75.1297, 62.9728

Deuteranopia

76.8414, 75.0746, 72.7282



Tritanopia

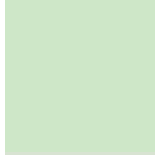
64.4826, 76.1132, 105.9005

Trichromacy



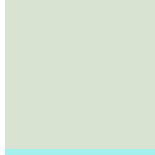
Original Color

56.8177, 76.0276, 70.0727



Protanomaly

64.4548, 74.4438, 65.6155



Deuteranomaly

67.4208, 74.1902, 71.7395



Tritanomaly

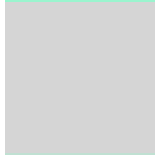
61.5504, 76.2211, 91.5889

Monochromacy



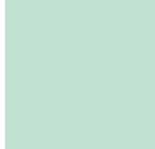
Original Color

56.8177, 76.0276, 70.0727



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.0267, 69.1709, 71.1603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8177, 76.0276, 70.0727 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(154, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(154, 244, 206)  
}
```

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(154, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 244, 206) }
```

Border

The CSS property to change the border of an element to XYZ 56.8177, 76.0276, 70.0727 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(154, 244, 206) }
```


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

```
.border{ border-color:rgb(154, 244, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 244, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(154, 244,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8177, 76.0276, 70.0727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 244, 206) }
```

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

```
.background{ background-color: rgb(154,  
244, 206) }
```

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