

Converting Colors

XYZ(58.7466, 80.0664, 56.4324)

Have a look what the booklet for
XYZ(58.7466, 80.0664, 56.4324)
contains.

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Color

**XYZ(58.7776, 80.0734,
56.6138)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FAB6
RGB	168, 250, 182
RGB Percent	66%, 98%, 71%
CMY	0.3412, 0.0196, 0.2863
CMYK	0.33, 0.00, 0.27, 0.02
HSL	130°, 89%, 82%
HSV	130°, 33%, 98%
XYZ	58.7776, 80.0734, 56.6138
YIQ	217.7300, -27.0440, -38.5320

Conversions

Conversions Part 2

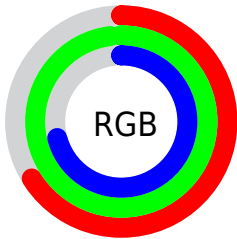
Format	Color
RYB	168, 238, 250
Decimal	11074230
CIELab	91.72, -38.32, 24.90
CIElCh	92, 45.694, 146.985
Yxy	80.0734, 0.3007, 0.4097
Android (android.graphics.Color)	4289264310 (0xFFA8FAB6)
YUV	217.7300, -17.6149, -43.6132
Hunter-Lab	89.4837, -39.3484, 25.1275

Details

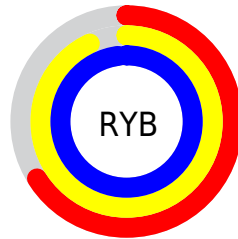
The XYZ color **58.7776, 80.0734, 56.6138** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.5700, 54.3872, 86.2440**, and the grayscale version is **66.5871, 70.0549, 76.2897**.

A 20% lighter version of the original color is **82.2440, 93.7006, 94.6402**, and **29.8425, 43.2356, 27.5413** is the 20% darker color. If you saturate the color by 10%, you get **51.9719, 76.7967, 45.9273**, and if you desaturate by 10%, it is **66.9279, 84.0111, 69.0224**.

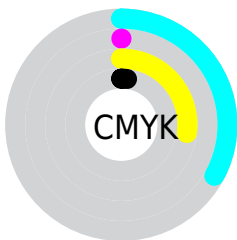
Distribution



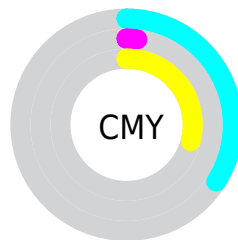
- Red (66%)
- Green (98%)
- Blue (71%)



- Red (66%)
- Yellow (93%)
- Blue (98%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)



- Cyan (34%)
- Magenta (2%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7776, 80.0734, 56.6138 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 58.7776, 80.0734, 56.6138 by changing the saturation by 10% instead.


 58.7776, 80.0734,
56.6138

 58.7776, 80.0734,
56.6138


409.9845,
495.1802, 429.4537

 42.6798, 59.7788,
40.2880


 102.1708,
133.4689, 101.3962

 29.8274, 43.2403,
27.4476


130.1970,
167.3386, 130.6898

 19.8550, 30.0737,
17.6743

162.9299,
206.5021, 165.1431

 12.3974, 19.8946,
10.5494

200.7351,
251.3437, 205.1746

 7.0890, 12.3184,
5.6544

243.9778,
302.2480, 251.2029

 3.5647, 6.9609,
2.5707

293.0233,

 1.4589, 3.4377,

359.5992, 303.6465

0.8773

348.2371,
423.7818, 362.9239

■ 0.2976, 1.3643,
0.0000

■ 0.0000, 0.1902,
0.0000

■ 58.7776, 80.0734,
56.6138

■ 58.7776, 80.0734,
56.6138

■ 51.9719, 76.7967,
45.9273

■ 66.9279, 84.0111,
69.0224

■ 46.4319, 74.1352,
36.8818

■ 76.4837, 88.6330,
83.2191

■ 42.0798, 72.0528,
29.3974

■ 87.5097, 93.9732,
99.2726

■ 38.8267, 70.5054,
23.3854

■ 93.4771, 96.8542,
108.3757

■ 36.5708, 69.4428,
18.7485

■ 35.1904, 68.8043,
15.3770

■ 34.6174, 68.5463,
13.6614

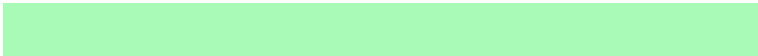
Harmonies

Analogous

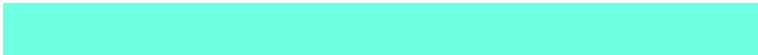
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.3598, 80.0734, 41.4943



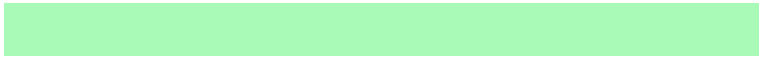
58.7776, 80.0734, 56.6138



55.8014, 80.0734, 83.8456

Triad

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



58.7776, 80.0734, 56.6138



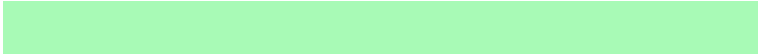
74.9317, 80.0734, 168.5323



97.9384, 80.0734, 61.1242

Complementary

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



58.7776, 80.0734, 56.6138



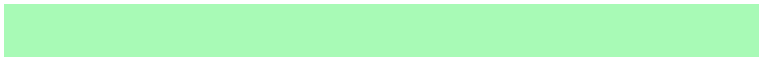
68.5700, 54.3872, 86.2440

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.



100.8239, 80.0734, 90.6147



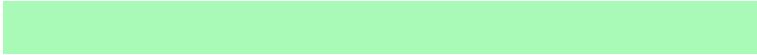
58.7776, 80.0734, 56.6138



86.7656, 80.0734, 158.0243

Square

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



58.7776, 80.0734, 56.6138



64.5092, 80.0734, 153.0464



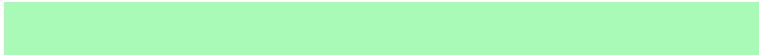
96.5469, 80.0734, 127.1594



89.0185, 80.0734, 43.5917

Rectangle

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



58.7776, 80.0734, 56.6138



56.5766, 80.0734, 107.3691



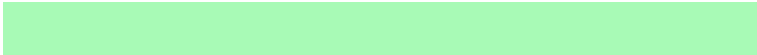
96.5469, 80.0734, 127.1594



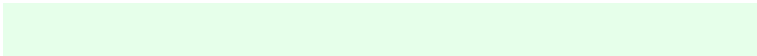
99.6834, 80.0734, 69.7059

Sweetspot

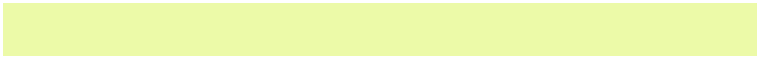
The Sweet Spot groups the original color and five complimentary colors.



58.7797, 80.0768, 56.6156



83.0631, 94.1925, 91.5348



75.9595, 89.0922, 50.2397



17.4454, 19.9996, 19.1039



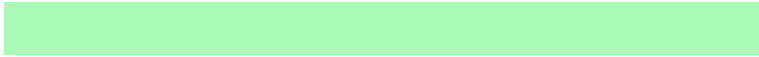
0.0000, 0.0000, 0.0000



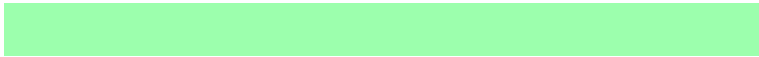
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7797, 80.0768, 56.6156



56.8807, 81.5420, 52.0380



63.6109, 82.0092, 82.0561



17.1383, 19.3576, 18.9288



18.3968, 36.3717, 7.4328



1.7367, 3.3818, 0.8613

Inverse Universe

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



68.5700, 54.3872, 86.2440



68.4888, 51.0605, 87.1508



63.3174, 52.2862, 58.5843



17.8583, 17.4707, 21.1097



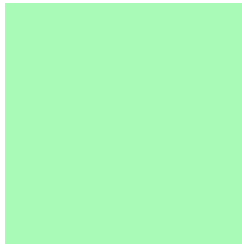
26.9537, 13.1972, 32.7941



2.5289, 1.2353, 3.2084

Previews

White Background



This preview shows how the XYZ color 58.7776, 80.0734, 56.6138 looks on a white background.

Color Contrast Check

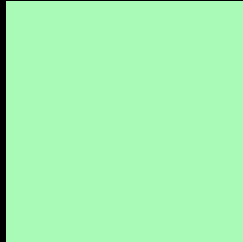
Large Text (above 18pt) WCAG AA × Fail

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 58.7776, 80.0734, 56.6138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

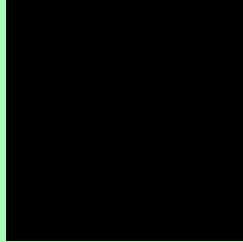
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7776, 80.0734, 56.6138

Background



This preview shows how black text looks on a background with the XYZ color 58.7776, 80.0734, 56.6138.

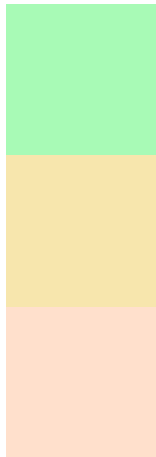


This preview shows how white text looks on a background with the XYZ color 58.7776, 80.0734,

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

58.7776, 80.0734, 56.6138

Protanopia

74.1974, 79.3849, 50.9474

Deuteranopia

78.7947, 78.9309, 68.2090



Tritanopia

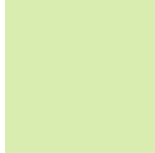
70.4024, 80.0294, 106.3444

Trichromacy



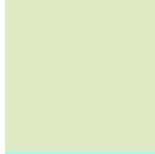
Original Color

58.7776, 80.0734, 56.6138



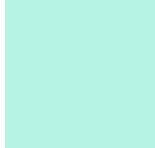
Protanomaly

67.0341, 78.6084, 52.7142



Deuteranomaly

69.5341, 77.9513, 63.6058



Tritanomaly

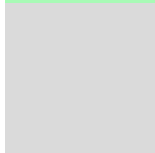
65.5826, 79.7699, 85.3393

Monochromacy



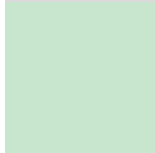
Original Color

58.7776, 80.0734, 56.6138



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.1357, 73.2808, 68.5746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7776, 80.0734, 56.6138 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(168, 250, 182)` looks like.

```
.text, #text, p{  
    color:rgb(168, 250, 182)  
}
```

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(168, 250, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 250, 182) }
```

Border

The CSS property to change the border of an element to XYZ 58.7776, 80.0734, 56.6138 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(168, 250, 182) }
```


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

```
.border{ border-color:rgb(168, 250, 182) }
```

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

Here you see how a box with a 4 pixel rgb(168, 250, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 250, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 250, 182);  
box-shadow:4px 4px 4px 4px rgb(168, 250,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7776, 80.0734, 56.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 250, 182) }
```

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

```
.background{ background-color: rgb(168,  
250, 182) }
```

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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