

Converting Colors

XYZ(55.7605, 80.8620, 56.6186)

Have a look what the booklet for
XYZ(55.7605, 80.8620, 56.6186)
contains.

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Color

**XYZ(55.7775, 80.8759,
56.3869)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFB5
RGB	145, 255, 181
RGB Percent	57%, 100%, 71%
CMY	0.4314, 0.0000, 0.2902
CMYK	0.43, 0.00, 0.29, 0.00
HSL	140°, 100%, 78%
HSV	140°, 43%, 100%
XYZ	55.7775, 80.8759, 56.3869
YIQ	213.6740, -41.8060, -46.3340

Conversions

Conversions Part 2

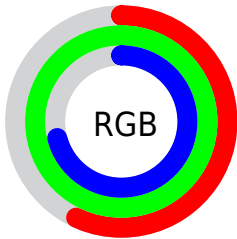
Format	Color
RYB	145, 228, 255
Decimal	9568181
CIELab	92.08, -47.24, 25.73
CIElCh	92, 53.789, 151.423
Yxy	80.8759, 0.2889, 0.4190
Android (android.graphics.Color)	4287758261 (0xFF91FFB5)
YUV	213.6740, -16.1083, -60.2271
Hunter-Lab	89.9310, -46.6691, 25.7768

Details

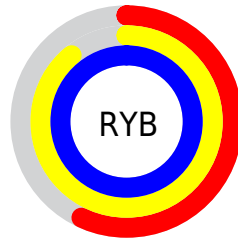
The XYZ color **55.7775, 80.8759, 56.3869** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.1518, 46.6258, 72.6359**, and the grayscale version is **63.8221, 67.1458, 73.1218**.

A 20% lighter version of the original color is **75.6747, 90.3309, 93.5679**, and **28.0208, 43.9729, 27.4328** is the 20% darker color. If you saturate the color by 10%, you get **50.1239, 78.1524, 47.4932**, and if you desaturate by 10%, it is **62.6574, 84.2065, 66.4720**.

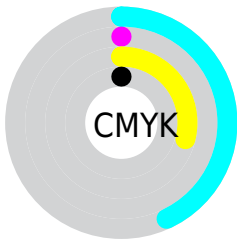
Distribution



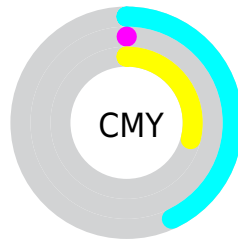
- Red (57%)
- Green (100%)
- Blue (71%)



- Red (57%)
- Yellow (89%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7775, 80.8759, 56.3869 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 55.7775, 80.8759, 56.3869 by changing the saturation by 10% instead.


 55.7775, 80.8759,
56.3869


 55.7775, 80.8759,
56.3869


398.9411,
497.8798, 428.5772

 40.2609, 60.4394,
40.1071


 97.8209, 134.5965,
101.0615

 27.9271, 43.7729,
27.3077


 125.0783,
168.6494, 130.2934

 18.4109, 30.4920,
17.5699


156.9801,
208.0099, 164.6797

 11.3469, 20.2123,
10.4754

193.8915,
253.0623, 204.6390

 6.3696, 12.5495,
5.6056

236.1780,
304.1911, 250.5899

 3.1139, 7.1191,
2.5419

284.2048,

 1.2143, 3.5367,

361.7807, 302.9509

0.8622

338.3374,
426.2155, 362.1404

■ 0.1176, 1.4179,
0.0000

■ 0.0000, 0.2299,
0.0000

■ 55.7775, 80.8759,
56.3869

■ 55.7775, 80.8759,
56.3869

■ 50.1239, 78.1524,
47.4932

■ 62.6574, 84.2065,
66.4720

■ 45.6187, 75.9968,
39.7425

■ 70.8312, 88.1783,
77.7866

■ 42.1775, 74.3664,
33.0886

■ 80.3635, 92.8237,
90.3720

■ 39.7025, 73.2121,
27.4808

■ 91.3141, 98.1728,
104.2664

■ 38.0763, 72.4743,
22.8637

95.0500, 100.0000,
108.9000

■ 37.3391, 72.1516,
20.2352

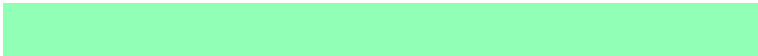
Harmonies

Analogous

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



63.8069, 80.8759, 37.6984



55.7775, 80.8759, 56.3869



53.2052, 80.8759, 89.9669

Triad

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



55.7775, 80.8759, 56.3869



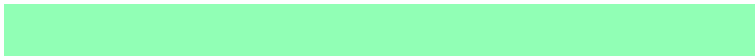
77.5331, 80.8759, 188.4117



101.9050, 80.8759, 53.9858

Complementary

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



55.7775, 80.8759, 56.3869



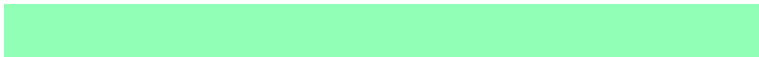
64.1518, 46.6258, 72.6359

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.



106.6803, 80.8759, 86.1805



55.7775, 80.8759, 56.3869



91.6047, 80.8759, 170.4819

Square

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



55.7775, 80.8759, 56.3869



64.8235, 80.8759, 173.4396



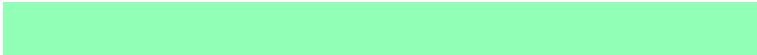
102.7048, 80.8759, 129.8073



90.3238, 80.8759, 36.6332

Rectangle

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



55.7775, 80.8759, 56.3869



54.6512, 80.8759, 118.9531



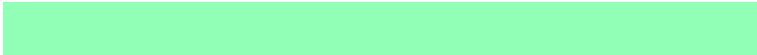
102.7048, 80.8759, 129.8073



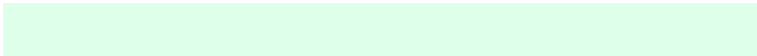
104.4179, 80.8759, 63.0404

Sweetspot

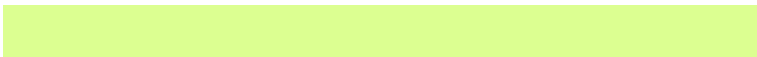
The Sweet Spot groups the original color and five complimentary colors.



55.7781, 80.8762, 56.3882



80.5033, 92.8919, 90.5529



70.4368, 88.8061, 40.2177



16.7541, 19.6500, 18.7628



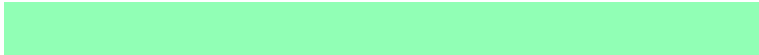
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.7781, 80.8762, 56.3882



50.7072, 78.4326, 48.4457



62.4087, 83.5284, 91.3046



18.0167, 20.2662, 20.3907



19.5712, 37.7251, 10.8934



1.9534, 3.6923, 1.3126

Inverse Universe

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



64.1518, 46.6258, 72.6359



60.0823, 40.0109, 66.5807



58.1725, 44.2341, 41.1496



18.5250, 18.1933, 21.3817



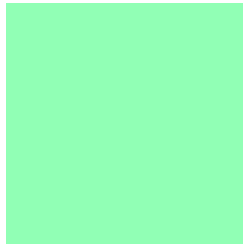
25.4885, 12.6847, 21.7545



2.5321, 1.2552, 2.3833

Previews

White Background



This preview shows how the XYZ color 55.7775, 80.8759, 56.3869 looks on a white background.

Color Contrast Check

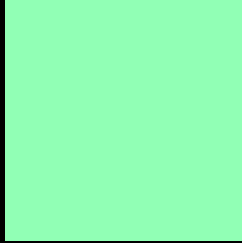
Large Text (above 18pt) WCAG AA × Fail

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 55.7775, 80.8759, 56.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

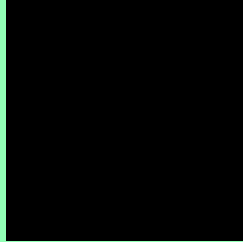
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7775, 80.8759, 56.3869

Background



This preview shows how black text looks on a background with the XYZ color 55.7775, 80.8759, 56.3869.

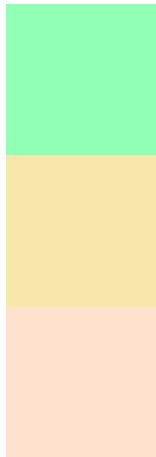


This preview shows how white text looks on a background with the XYZ color 55.7775, 80.8759,

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

55.7775, 80.8759, 56.3869

Protanopia

74.5430, 80.0106, 49.5450

Deuteranopia

79.1847, 79.5182, 68.9327



Tritanopia

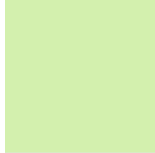
69.7550, 80.5697, 106.4828

Trichromacy



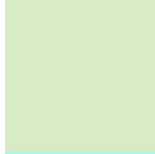
Original Color

55.7775, 80.8759, 56.3869



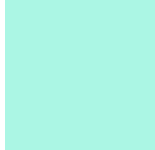
Protanomaly

65.6640, 79.2251, 51.8755



Deuteranomaly

67.9836, 78.4235, 63.7787



Tritanomaly

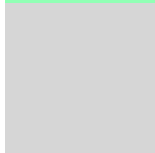
63.7539, 80.1709, 85.5131

Monochromacy



Original Color

55.7775, 80.8759, 56.3869



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6662, 71.1217, 66.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7775, 80.8759, 56.3869 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(145, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 181)  
}
```

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(145, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 55.7775, 80.8759, 56.3869 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(145, 255, 181) }
```


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

```
.border{ border-color:rgb(145, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7775, 80.8759, 56.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 181) }
```

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

```
.background{ background-color: rgb(145,  
255, 181) }
```

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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