

Converting Colors

XYZ(55.7958, 78.3931, 51.8665)

Have a look what the booklet for
XYZ(55.7958, 78.3931, 51.8665)
contains.

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Color

**XYZ(55.7166, 78.1394,
51.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF9AD
RGB	159, 249, 173
RGB Percent	62%, 98%, 68%
CMY	0.3765, 0.0235, 0.3216
CMYK	0.36, 0.00, 0.31, 0.02
HSL	129°, 88%, 80%
HSV	129°, 36%, 98%
XYZ	55.7166, 78.1394, 51.6810
YIQ	213.4260, -29.2440, -42.7160

Conversions

Conversions Part 2

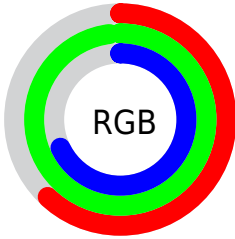
Format	Color
RYB	159, 237, 249
Decimal	10484141
CIELab	90.84, -42.07, 28.20
CIELCh	91, 50.652, 146.166
Yxy	78.1394, 0.3003, 0.4212
Android (android.graphics.Color)	4288674221 (0xFF9FF9AD)
YUV	213.4260, -19.9300, -47.7316
Hunter-Lab	88.3965, -42.1847, 27.2137

Details

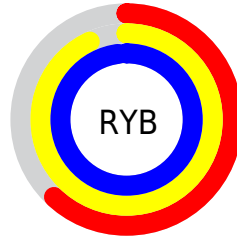
The XYZ color **55.7166, 78.1394, 51.6810** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.4630, 50.9358, 84.9289**, and the grayscale version is **63.6762, 66.9923, 72.9547**.

A 20% lighter version of the original color is **78.2218, 91.7761, 87.7206**, and **27.8333, 41.9389, 24.3973** is the 20% darker color. If you saturate the color by 10%, you get **49.3903, 75.0972, 41.5873**, and if you desaturate by 10%, it is **63.3618, 81.8290, 63.5113**.

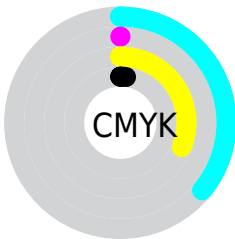
Distribution



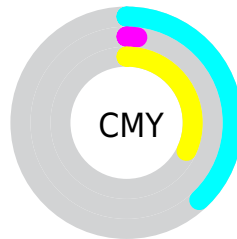
- Red (62%)
- Green (98%)
- Blue (68%)



- Red (62%)
- Yellow (93%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7166, 78.1394, 51.6810 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 55.7166, 78.1394, 51.6810 by changing the saturation by 10% instead.

55.7166, 78.1394,
51.6810

55.7166, 78.1394,
51.6810

398.7150,
488.6401, 410.1257

40.2119, 58.1885,
36.3704

97.7323, 130.7466,
94.0824

27.8887, 41.9602,
24.4284

124.9740,
164.1717, 122.0103

18.3818, 29.0701,
15.4366

156.8587,
202.8570, 154.9809

11.3258, 19.1339,
8.9764

193.7518,
247.1869, 193.4130

6.3553, 11.7671,
4.6292

236.0186,
297.5457, 237.7250

3.1050, 6.5853,
1.9765


284.0245,


1.2095, 3.2041,


354.3180, 288.3354


0.5407


338.1348,
417.8880, 345.6628


 0.1139, 1.2392,
0.0000


 0.0000, 0.0934,
0.0000


 55.7166, 78.1394,
51.6810


 55.7166, 78.1394,
51.6810


 49.3903, 75.0972,
41.5873


 63.3618, 81.8290,
63.5113


 44.3018, 72.6556,
33.1434

 72.3888, 86.1901,
77.1490

 40.3705, 70.7771,
26.2630

 82.8639, 91.2575,
92.6675

 37.5033, 69.4159,
20.8499

 93.1672, 96.2344,
108.2724

■ 35.5928, 68.5187,
16.7972

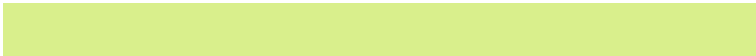
■ 34.5072, 68.0202,
13.9830

■ 34.2390, 67.8991,
13.1978

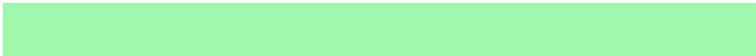
Harmonies

Analogous

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



63.9786, 78.1394, 36.3568



55.7166, 78.1394, 51.6810



52.4035, 78.1394, 80.4733

Triad

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



55.7166, 78.1394, 51.6810



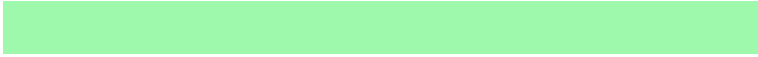
72.6425, 78.1394, 176.0736



98.5060, 78.1394, 57.7331

Complementary

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



55.7166, 78.1394, 51.6810



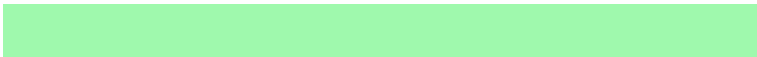
66.4630, 50.9358, 84.9289

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.



101.5012, 78.1394, 89.8603



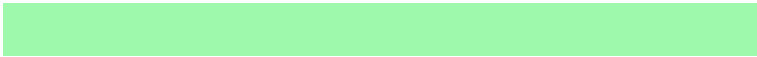
55.7166, 78.1394, 51.6810



85.6080, 78.1394, 164.8942

Square

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



55.7166, 78.1394, 51.6810



61.4432, 78.1394, 157.7061



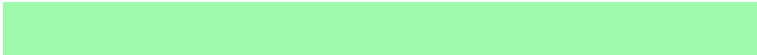
96.5411, 78.1394, 130.4451



88.7663, 78.1394, 39.0849

Rectangle

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



55.7166, 78.1394, 51.6810



53.1313, 78.1394, 106.1546



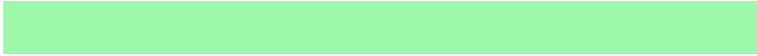
96.5411, 78.1394, 130.4451



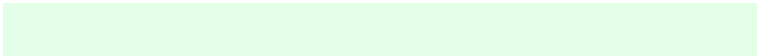
100.3796, 78.1394, 66.9983

Sweetspot

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



55.7186, 78.1427, 51.6827



81.8909, 93.6300, 89.5899



74.5630, 88.0058, 45.8585



17.2093, 19.8865, 18.7032



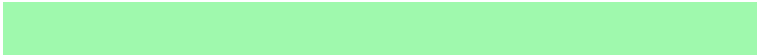
0.0000, 0.0000, 0.0000



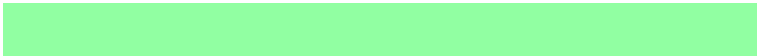
20.3446, 21.4041, 23.3091

Same Dimension

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



55.7186, 78.1427, 51.6827



54.0567, 80.1947, 47.0025



60.7656, 80.1615, 78.2597



17.1274, 19.3532, 18.8717



18.3593, 36.3567, 7.2354



1.7316, 3.3797, 0.8345

Inverse Universe

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



66.4630, 50.9358, 84.9289



66.8432, 47.7876, 86.5459



60.8164, 48.6772, 55.1941



17.8702, 17.4754, 21.1722



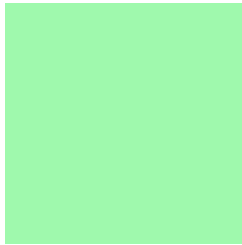
27.2000, 13.2957, 34.0913



2.5494, 1.2435, 3.3168

Previews

White Background



This preview shows how the XYZ color 55.7166, 78.1394, 51.6810 looks on a white background.

Color Contrast Check

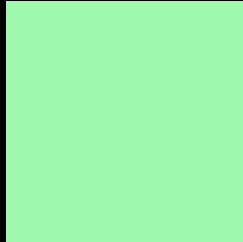
Large Text (above 18pt) WCAG AA × Fail

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 55.7166, 78.1394, 51.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

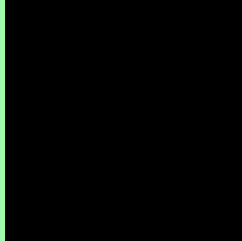
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7166, 78.1394, 51.6810

Background



This preview shows how black text looks on a background with the XYZ color 55.7166, 78.1394, 51.6810.



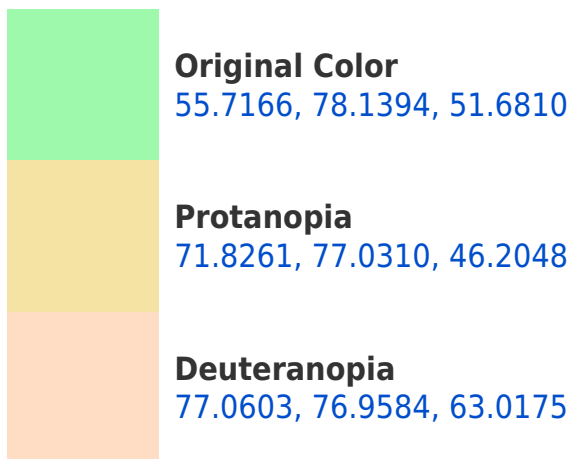
This preview shows how white text looks on a background with the XYZ color 55.7166, 78.1394,

51.6810.

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





Tritanopia

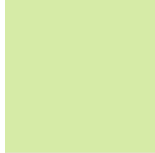
67.3902, 77.6121, 106.0365

Trichromacy



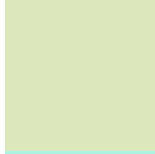
Original Color

55.7166, 78.1394, 51.6810



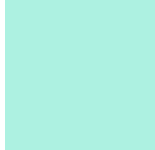
Protanomaly

64.4149, 76.5028, 47.9307



Deuteranomaly

67.1682, 75.9983, 58.7060



Tritanomaly

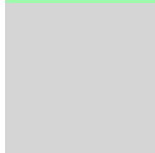
62.2795, 77.2311, 82.8588

Monochromacy



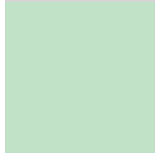
Original Color

55.7166, 78.1394, 51.6810



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.3817, 69.8074, 63.7705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7166, 78.1394, 51.6810 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(159, 249, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 173)  
}
```

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(159, 249, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 173) }
```

Border

The CSS property to change the border of an element to XYZ 55.7166, 78.1394, 51.6810 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(159, 249, 173) }
```


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

```
.border{ border-color:rgb(159, 249, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 249, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 249, 173); box-shadow:4px 4px 4px 4px rgb(159, 249, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7166, 78.1394, 51.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 173) }
```

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

```
.background{ background-color: rgb(159,  
249, 173) }
```

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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