

Converting Colors

XYZ(55.9367, 78.7465, 47.5478)

Have a look what the booklet for
XYZ(55.9367, 78.7465, 47.5478)
contains.

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Color

**XYZ(55.9907, 78.8381,
47.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FAA4
RGB	163, 250, 164
RGB Percent	64%, 98%, 64%
CMY	0.3608, 0.0196, 0.3569
CMYK	0.35, 0.00, 0.34, 0.02
HSL	121°, 90%, 81%
HSV	121°, 35%, 98%
XYZ	55.9907, 78.8381, 47.3882
YIQ	214.1830, -24.2460, -45.1900

Conversions

Conversions Part 2

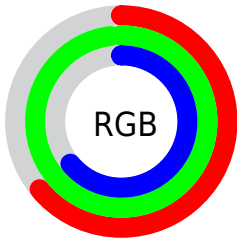
Format	Color
RYB	163, 249, 250
Decimal	10746532
CIELab	91.16, -42.76, 33.19
CIELCh	91, 54.130, 142.176
Yxy	78.8381, 0.3073, 0.4327
Android (android.graphics.Color)	4288936612 (0xFFA3FAA4)
YUV	214.1830, -24.7402, -44.8875
Hunter-Lab	88.7908, -42.8234, 30.5101

Details

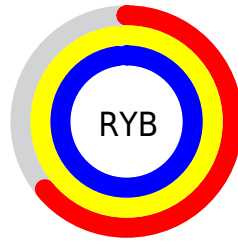
The XYZ color **55.9907, 78.8381, 47.3882** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.6230, 53.3595, 96.2553**, and the grayscale version is **64.2145, 67.5587, 73.5714**.

A 20% lighter version of the original color is **78.1935, 91.9030, 81.3280**, and **28.0026, 42.4134, 21.7496** is the 20% darker color. If you saturate the color by 10%, you get **49.3499, 75.6502, 36.5382**, and if you desaturate by 10%, it is **64.0810, 82.7277, 60.5728**.

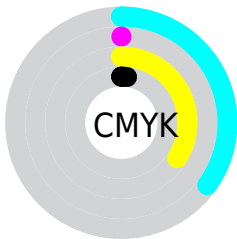
Distribution



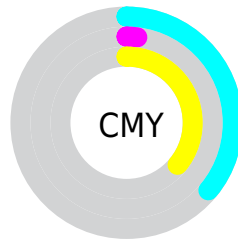
- Red (64%)
- Green (98%)
- Blue (64%)



- Red (64%)
- Yellow (98%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)





- Cyan (36%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9907, 78.8381, 47.3882 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 55.9907, 78.8381, 47.3882 by changing the saturation by 10% instead.


 55.9907, 78.8381,
47.3882


 55.9907, 78.8381,
47.3882


399.7320,
491.0085, 392.8005

 40.4324, 58.7627,
32.9861


 98.1309, 131.7309,
87.6488

 28.0616, 42.4221,
21.8448


 125.4435,
165.3171, 114.3445

 18.5128, 29.4320,
13.5457


157.4049,
204.1757, 145.9750

 11.4207, 19.4078,
7.6702

194.3806,
248.6911, 182.9590

 6.4199, 11.9653,
3.7999

236.7357,
299.2477, 225.7150

 3.1451, 6.7201,
1.5162


284.8358,


 1.2310, 3.2877,


356.2298, 274.6616


0.2300


339.0461,
420.0220, 330.2172


 0.1306, 1.2837,
0.0000


 0.0000, 0.1285,
0.0000


 55.9907, 78.8381,
47.3882


 55.9907, 78.8381,
47.3882


 49.3499, 75.6502,
36.5382


 64.0810, 82.7277,
60.5728

 44.0675, 73.1132,
27.8820

 73.6930, 87.3467,
76.2115

 40.0513, 71.1849,
21.2718

 84.9012, 92.7333,
94.4219

 37.1955, 69.8145,
16.5392

 93.4772, 96.8544,
108.3757

■ 35.3770, 68.9426,
13.4895

■ 34.4446, 68.4965,
11.8853

■ 34.2029, 68.3807,
11.4788

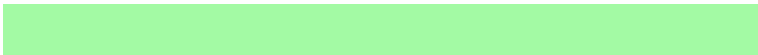
Harmonies

Analogous

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



65.4229, 78.8381, 33.2149



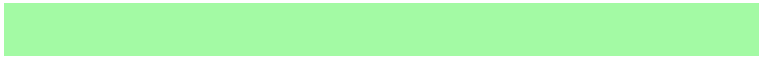
55.9907, 78.8381, 47.3882



51.7469, 78.8381, 75.9745

Triad

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



55.9907, 78.8381, 47.3882



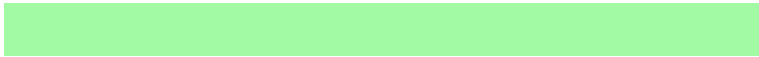
71.4038, 78.8381, 184.3815



102.0722, 78.8381, 60.3963

Complementary

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



55.9907, 78.8381, 47.3882



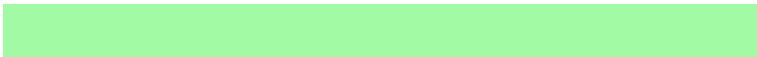
69.6230, 53.3595, 96.2553

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.



104.1798, 78.8381, 96.5273



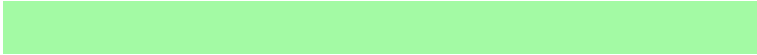
55.9907, 78.8381, 47.3882



85.3233, 78.8381, 176.3785

Square

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



55.9907, 78.8381, 47.3882



59.9110, 78.8381, 160.2937



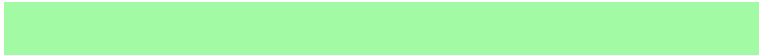
97.7284, 78.8381, 140.9198



92.2775, 78.8381, 38.9727

Rectangle

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



55.9907, 78.8381, 47.3882



52.0188, 78.8381, 102.7580



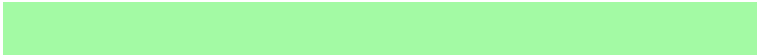
97.7284, 78.8381, 140.9198



103.7477, 78.8381, 70.8912

Sweetspot

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



55.9927, 78.8414, 47.3900



82.4868, 93.9620, 88.4999



80.2243, 91.3437, 48.0536



17.3073, 19.9444, 18.3767



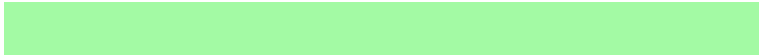
0.0000, 0.0000, 0.0000



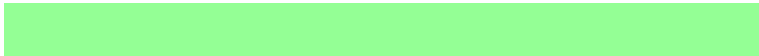
20.3446, 21.4041, 23.3091

Same Dimension

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



55.9927, 78.8414, 47.3900



53.3901, 79.9807, 41.1133



60.4935, 80.6417, 71.0905



17.0255, 19.3125, 18.3350



18.1450, 36.2710, 6.1070



1.6833, 3.3604, 0.5801

Inverse Universe

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



69.6230, 53.3595, 96.2553



69.6663, 49.5493, 99.4627



63.7253, 51.0004, 65.1988



17.9839, 17.5209, 21.7712



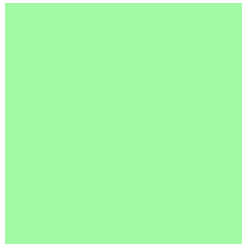
29.8311, 14.3482, 47.9464



2.7656, 1.3300, 4.4549

Previews

White Background



This preview shows how the XYZ color 55.9907, 78.8381, 47.3882 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 55.9907, 78.8381, 47.3882 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 55.9907, 78.8381, 47.3882

Background



This preview shows how black text looks on a background with the XYZ color 55.9907, 78.8381, 47.3882.

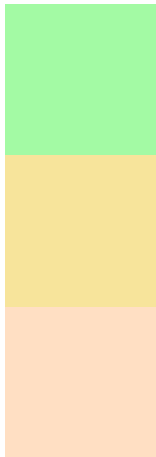


This preview shows how white text looks on a background with the XYZ color 55.9907, 78.8381,

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

55.9907, 78.8381, 47.3882

Protanopia

72.0176, 77.6275, 42.1982

Deuteranopia

77.4780, 77.9755, 62.5970



Tritanopia

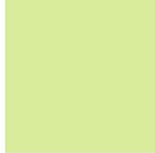
68.8742, 78.8082, 106.1892

Trichromacy



Original Color

55.9907, 78.8381, 47.3882



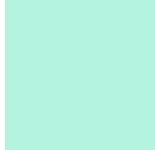
Protanomaly

64.4859, 77.0585, 43.8228



Deuteranomaly

67.9148, 77.2681, 56.6821



Tritanomaly

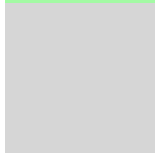
63.2970, 78.2432, 80.8736

Monochromacy



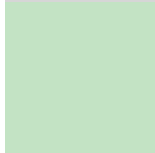
Original Color

55.9907, 78.8381, 47.3882



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.9386, 70.5258, 62.6783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9907, 78.8381, 47.3882 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(163, 250, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 250, 164)  
}
```

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(163, 250, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 250, 164) }
```

Border

The CSS property to change the border of an element to XYZ 55.9907, 78.8381, 47.3882 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(163, 250, 164) }
```


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

```
.border{ border-color:rgb(163, 250, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 250, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 250, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 250, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 250,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9907, 78.8381, 47.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 250, 164) }
```

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

```
.background{ background-color: rgb(163,  
250, 164) }
```

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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