

Converting Colors

XYZ(55.5976, 75.0707, 49.7261)

Have a look what the booklet for
XYZ(55.5976, 75.0707, 49.7261)
contains.

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Color

**XYZ(55.5854, 74.9526,
49.5678)**

Conversions

Conversions Part 1

Format	Color
Hex	AAF2AA
RGB	170, 242, 170
RGB Percent	67%, 95%, 67%
CMY	0.3333, 0.0510, 0.3333
CMYK	0.30, 0.00, 0.30, 0.05
HSL	120°, 73%, 81%
HSV	120°, 30%, 95%
XYZ	55.5854, 74.9526, 49.5678
YIQ	212.2640, -19.8000, -37.6560

Conversions

Conversions Part 2

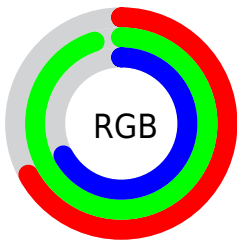
Format	Color
RYB	170, 242, 242
Decimal	11203242
CIELab	89.37, -36.05, 27.82
CIELCh	89, 45.540, 142.347
Yxy	74.9526, 0.3086, 0.4162
Android (android.graphics.Color)	4289393322 (0xFFAAF2AA)
YUV	212.2640, -20.8362, -37.0655
Hunter-Lab	86.5752, -36.9010, 26.6567

Details

The XYZ color **55.5854, 74.9526, 49.5678** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.0222, 54.0391, 90.9056**, and the grayscale version is **62.9003, 66.1760, 72.0657**.

A 20% lighter version of the original color is **81.1660, 93.3419, 85.6904**, and **27.6301, 39.6271, 23.0222** is the 20% darker color. If you saturate the color by 10%, you get **48.7452, 71.6691, 38.3779**, and if you desaturate by 10%, it is **63.8139, 78.9074, 63.0255**.

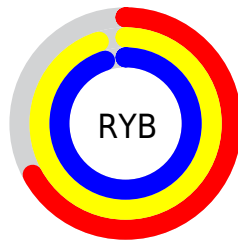
Distribution



Red (67%)

Green (95%)

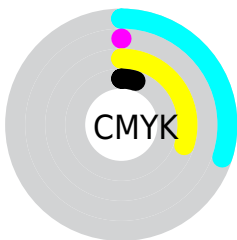
Blue (67%)



Red (67%)

Yellow (95%)

Blue (95%)

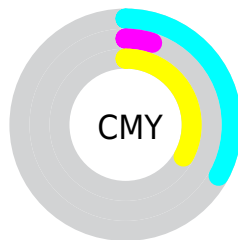


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (5%)



Cyan (33%)

Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5854, 74.9526, 49.5678 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 55.5854, 74.9526, 49.5678 by changing the saturation by 10% instead.

■ 55.5854, 74.9526,
49.5678

■ 55.5854, 74.9526,
49.5678

398.2276,
477.7546, 401.6599

■ 40.1063, 55.5741,
34.7013

■ 97.5415, 126.2453,
90.9239

■ 27.8060, 39.8615,
23.1512

124.7491,
158.9282, 118.2506

■ 18.3192, 27.4306,
14.4988

156.5970,
196.8147, 150.5678

■ 11.2805, 17.8969,
8.3257

193.4505,
240.2891, 188.2940

■ 6.3245, 10.8760,
4.2133

235.6750,
289.7360, 231.8477

■ 3.0859, 5.9835,
1.7431

283.6357,

■ 1.1994, 2.8350,

345.5396, 281.6476

0.3900

337.6982,
408.0843, 338.1122

0.1059, 1.0462,
0.0000

0.0000, 0.0000,
0.0000

55.5854, 74.9526,
49.5678

55.5854, 74.9526,
49.5678

48.7452, 71.6691,
38.3779

63.8139, 78.9074,
63.0255

43.2114, 69.0110,
29.3263

73.4951, 83.5578,
78.8608

38.9025, 66.9412,
22.2783

84.6965, 88.9384,
97.1826

35.7257, 65.4152,
17.0819

91.0436, 91.9872,
107.5645

■ 33.5746, 64.3819,
13.5633

■ 32.3229, 63.7807,
11.5158

■ 31.7644, 63.5124,
10.6022

■ 31.7536, 63.5072,
10.5846

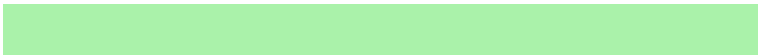
Harmonies

Analogous

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



63.3992, 74.9526, 36.9911



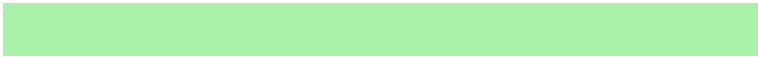
55.5854, 74.9526, 49.5678



52.0425, 74.9526, 73.7072

Triad

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



55.5854, 74.9526, 49.5678



68.4243, 74.9526, 158.7980



92.9549, 74.9526, 60.4297

Complementary

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



55.5854, 74.9526, 49.5678



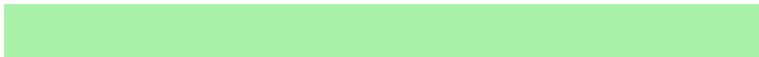
67.0222, 54.0391, 90.9056

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.



94.6590, 74.9526, 90.0598



55.5854, 74.9526, 49.5678



79.7024, 74.9526, 152.5502

Square

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



55.5854, 74.9526, 49.5678



58.9350, 74.9526, 140.4809



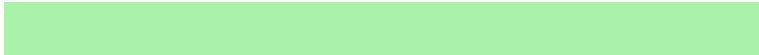
89.5886, 74.9526, 125.1353



85.1491, 74.9526, 42.0264

Rectangle

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



55.5854, 74.9526, 49.5678



52.2901, 74.9526, 95.4496



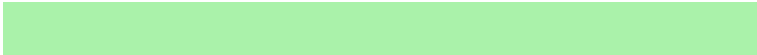
89.5886, 74.9526, 125.1353



94.2911, 74.9526, 69.1784

Sweetspot

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



55.5873, 74.9558, 49.5695



83.6276, 94.5132, 90.2166



75.6291, 85.2877, 50.5069



17.5329, 20.0535, 18.7101



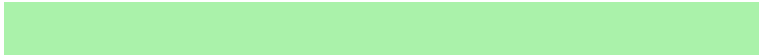
0.0000, 0.0000, 0.0000



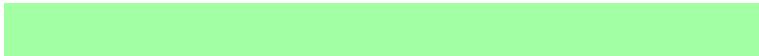
20.3446, 21.4041, 23.3091

Same Dimension

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



55.5873, 74.9558, 49.5695



57.5342, 81.9792, 47.5362



59.4724, 76.5098, 70.0278



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



67.0222, 54.0391, 90.9056



72.4225, 54.7454, 101.3565



62.1356, 52.0844, 65.1729



16.4543, 16.0314, 19.9487



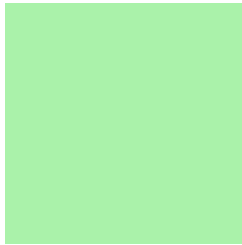
28.2810, 13.5848, 46.2580



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 55.5854, 74.9526, 49.5678 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 55.5854, 74.9526, 49.5678 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 55.5854, 74.9526, 49.5678

Background



This preview shows how black text looks on a background with the XYZ color 55.5854, 74.9526, 49.5678.



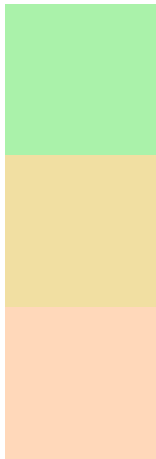
This preview shows how white text looks on a background with the XYZ color 55.5854, 74.9526,

49.5678.

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

55.5854, 74.9526, 49.5678

Protanopia

69.1849, 74.0848, 44.8358

Deuteranopia

74.6588, 73.9169, 56.7868



Tritanopia

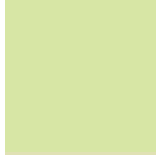
66.1195, 74.9296, 101.4205

Trichromacy



Original Color

55.5854, 74.9526, 49.5678



Protanomaly

63.1127, 73.7573, 46.5075



Deuteranomaly

65.9039, 72.9930, 53.7956



Tritanomaly

61.8690, 74.9147, 79.6057

Monochromacy



Original Color

55.5854, 74.9526, 49.5678



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.4917, 68.6769, 62.9437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5854, 74.9526, 49.5678 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(170, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 170)  
}
```

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(170, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 170) }
```

Border

The CSS property to change the border of an element to XYZ 55.5854, 74.9526, 49.5678 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(170, 242, 170) }
```


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

```
.border{ border-color:rgb(170, 242, 170) }
```

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

Here you see how a box with a 4 pixel rgb(170, 242, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5854, 74.9526, 49.5678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 170) }
```

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

```
.background{ background-color: rgb(170,  
242, 170) }
```

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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