

# Converting Colors

XYZ(54.9458, 76.2462, 49.1890)

Have a look what the booklet for  
XYZ(54.9458, 76.2462, 49.1890)  
contains.

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# Color

**XYZ(55.0175, 76.4575,  
49.3942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F6A9
RGB	162, 246, 169
RGB Percent	64%, 96%, 66%
CMY	0.3647, 0.0353, 0.3372
CMYK	0.34, 0.00, 0.31, 0.04
HSL	125°, 82%, 80%
HSV	125°, 34%, 96%
XYZ	55.0175, 76.4575, 49.3942
YIQ	212.1060, -25.3470, -41.7550

# Conversions

## Conversions Part 2

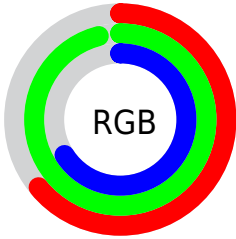
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 240, 246
Decimal	10679977
CIELab	90.07, -40.50, 29.21
CIELCh	90, 49.936, 144.205
Yxy	76.4575, 0.3042, 0.4227
Android (android.graphics.Color)	4288870057 (0xFFA2F6A9)
YUV	212.1060, -21.2513, -43.9430
Hunter-Lab	87.4400, -40.7072, 27.7155

# Details

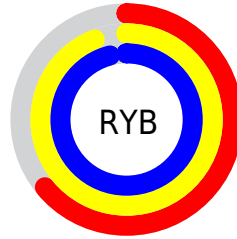
The XYZ color **55.0175, 76.4575, 49.3942** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.5089, 51.6670, 88.1316**, and the grayscale version is **62.8004, 66.0709, 71.9512**.

A 20% lighter version of the original color is **78.5640, 92.0163, 84.8543**, and **27.4134, 40.7819, 22.9499** is the 20% darker color. If you saturate the color by 10%, you get **48.5632, 73.3563, 38.9786**, and if you desaturate by 10%, it is **62.8184, 80.2151, 61.7819**.

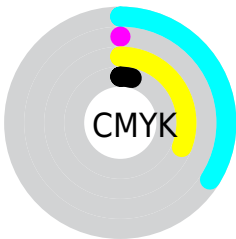
# Distribution



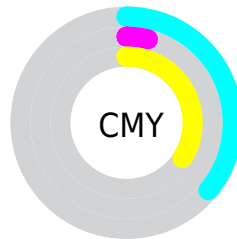
- Red (64%)
- Green (96%)
- Blue (66%)



- Red (64%)
- Yellow (94%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0175, 76.4575, 49.3942 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 55.0175, 76.4575, 49.3942 by changing the saturation by 10% instead.





 55.0175, 76.4575,  
49.3942


 55.0175, 76.4575,  
49.3942


396.1136,  
482.9124, 400.9591

 39.6496, 56.8077,  
34.5645


 96.7148, 128.3734,  
90.6637

 27.4485, 40.8509,  
23.0467


 123.7749,  
161.4083, 117.9405

 18.0486, 28.2026,  
14.4224

155.4631,  
199.6738, 150.2035

 11.0848, 18.4784,  
8.2729

192.1448,  
243.5541, 187.8711

 6.1916, 11.2940,  
4.1798

234.1854,  
293.4337, 231.3620

 3.0037, 6.2650,  
1.7245

281.9501,

 1.1557, 3.0069,

349.6971, 281.0946

0.3774

335.8044,  
412.7285, 337.4874

0.0710, 1.1353,  
0.0000

0.0000, 0.0079,  
0.0000

55.0175, 76.4575,  
49.3942

55.0175, 76.4575,  
49.3942

48.5632, 73.3563,  
38.9786

62.8184, 80.2151,  
61.7819

43.3735, 70.8648,  
30.4286

72.0300, 84.6536,  
76.2306

39.3670, 68.9455,  
23.6355

82.7193, 89.8078,  
92.8301

36.4497, 67.5528,  
18.4773

92.2473, 94.3945,  
107.9658

■ 34.5139, 66.6338,  
14.8163

■ 33.4291, 66.1249,  
12.4924

■ 33.0881, 65.9669,  
11.6745

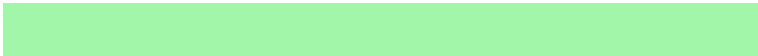
# Harmonies

## Analogous

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



63.3387, 76.4575, 35.2551



55.0175, 76.4575, 49.3942



51.4620, 76.4575, 76.5514

# Triad

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



55.0175, 76.4575, 49.3942



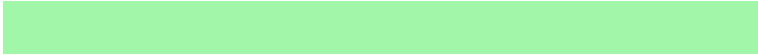
70.2926, 76.4575, 171.1934



96.6238, 76.4575, 58.3034

# Complementary

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



55.0175, 76.4575, 49.3942



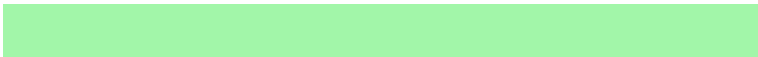
66.5089, 51.6670, 88.1316

# 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.



99.0274, 76.4575, 90.3268



55.0175, 76.4575, 49.3942



82.8767, 76.4575, 162.2237

# Square

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



55.0175, 76.4575, 49.3942



59.6143, 76.4575, 151.7162



93.7456, 76.4575, 129.8442

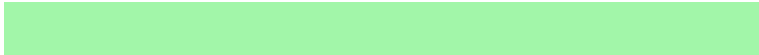


87.5062, 76.4575, 39.2826



# Rectangle

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



55.0175, 76.4575, 49.3942



51.9452, 76.4575, 101.1291



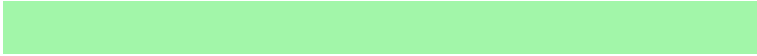
93.7456, 76.4575, 129.8442



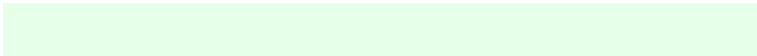
98.2841, 76.4575, 67.6117

# Sweetspot

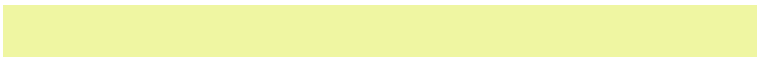
The Sweet Spot groups the original color and five complimentary colors.



55.0195, 76.4607, 49.3959



82.7452, 94.0653, 89.8604



75.0771, 86.8747, 46.9945



17.3691, 19.9691, 18.7024



0.0000, 0.0000, 0.0000

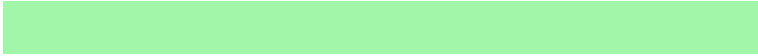


20.3446, 21.4041, 23.3091

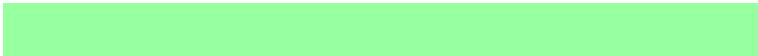


# Same Dimension

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



55.0195, 76.4607, 49.3959



54.6929, 80.5557, 45.5416



59.6161, 78.2994, 73.6014



16.3383, 18.4944, 17.7996



17.6805, 35.2170, 6.3371



1.5728, 3.1028, 0.6564



# Inverse Universe

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



66.5089, 51.6670, 88.1316



68.8968, 49.8880, 93.4175



61.0067, 49.4662, 59.1575



17.1505, 16.7431, 20.5393



27.6021, 13.3843, 39.4748

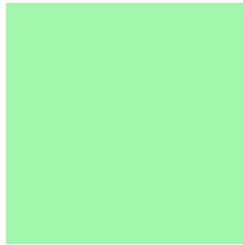


2.4432, 1.1833, 3.5604



# Previews

## White Background



This preview shows how the XYZ color 55.0175, 76.4575, 49.3942 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 55.0175, 76.4575, 49.3942 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 55.0175, 76.4575, 49.3942**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0175, 76.4575, 49.3942.



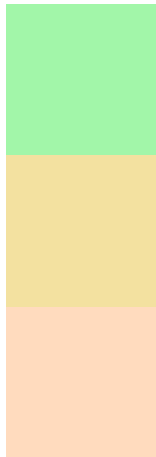
This preview shows how white text looks on a background with the XYZ color 55.0175, 76.4575,



# 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

55.0175, 76.4575, 49.3942

### Protanopia

70.2325, 75.4432, 44.1180

### Deuteranopia

75.8658, 75.6407, 59.3168



## Tritanopia

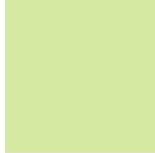
65.9578, 76.0374, 104.9663

# Trichromacy



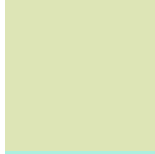
## Original Color

55.0175, 76.4575, 49.3942



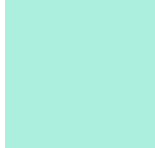
## Protanomaly

63.4813, 75.2183, 45.8231



## Deuteranomaly

66.2816, 74.7882, 55.1981



## Tritanomaly

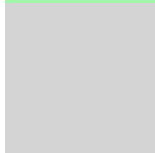
61.1990, 75.8314, 81.2234

# Monochromacy



## Original Color

55.0175, 76.4575, 49.3942



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

58.8676, 68.7662, 62.3951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0175, 76.4575, 49.3942 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(162, 246, 169)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 169)  
}
```

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(162, 246, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0175, 76.4575, 49.3942 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(162, 246, 169) }
```



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

```
.border{ border-color:rgb(162, 246, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 169);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0175, 76.4575, 49.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 169) }
```

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

```
.background{ background-color: rgb(162,  
246, 169) }
```

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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