

# Converting Colors

XYZ(55.8916, 81.0902, 49.3688)

Have a look what the booklet for  
XYZ(55.8916, 81.0902, 49.3688)  
contains.

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# Color

**XYZ(55.8719, 81.0823,  
49.2649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFA7
RGB	153, 255, 167
RGB Percent	60%, 100%, 65%
CMY	0.4000, 0.0000, 0.3451
CMYK	0.40, 0.00, 0.35, 0.00
HSL	128°, 100%, 80%
HSV	128°, 40%, 100%
XYZ	55.8719, 81.0823, 49.2649
YIQ	214.4700, -32.5440, -48.9920

# Conversions

## Conversions Part 2

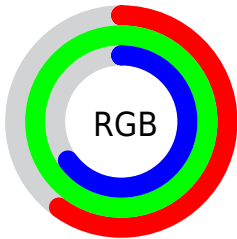
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 243, 255</a>
Decimal	<a href="#">10092455</a>
CIELab	<a href="#">92.17, -47.40, 32.96</a>
CIElCh	<a href="#">92, 57.728, 145.187</a>
Yxy	<a href="#">81.0823, 0.3000, 0.4354</a>
Android (android.graphics.Color)	<a href="#">4288282535 (0xFF99FFA7)</a>
YUV	<a href="#">214.4700, -23.4027, -53.9092</a>
Hunter-Lab	<a href="#">90.0457, -46.8236, 30.5939</a>

# Details

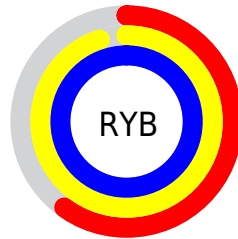
The XYZ color **55.8719, 81.0823, 49.2649** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.5084, 50.3937, 89.3343**, and the grayscale version is **64.4016, 67.7555, 73.7858**.

A 20% lighter version of the original color is **75.9433, 90.6966, 83.3156**, and **28.0552, 44.0899, 22.9511** is the 20% darker color. If you saturate the color by 10%, you get **49.6983, 78.1150, 39.2476**, and if you desaturate by 10%, it is **63.4209, 84.7186, 61.1551**.

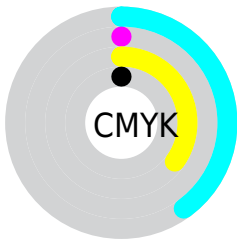
# Distribution



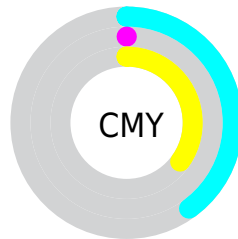
- Red (60%)
- Green (100%)
- Blue (65%)



- Red (60%)
- Yellow (95%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8719, 81.0823, 49.2649 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 55.8719, 81.0823, 49.2649 by changing the saturation by 10% instead.




 55.8719, 81.0823,  
49.2649


 55.8719, 81.0823,  
49.2649


399.2914,  
498.5728, 400.4366

 40.3368, 60.6094,  
34.4626


 97.9582, 134.8863,  
90.4698

 27.9866, 43.9100,  
22.9690


 125.2400,  
168.9862, 117.7095

 18.4560, 30.5998,  
14.3655


157.1682,  
208.3972, 149.9320

 11.3795, 20.2943,  
8.2337

194.1081,  
253.5037, 187.5560

 6.3919, 12.6091,  
4.1549

236.4250,  
304.6902, 230.9999

 3.1277, 7.1600,  
1.7107

284.4843,

 1.2217, 3.5623,

362.3409, 280.6823

0.3681

338.6513,  
426.8403, 337.0217

■ 0.1234, 1.4319,  
0.0000

■ 0.0000, 0.2400,  
0.0000

■ 55.8719, 81.0823,  
49.2649

■ 55.8719, 81.0823,  
49.2649

■ 49.6983, 78.1150,  
39.2476

■ 63.4209, 84.7186,  
61.1551

■ 44.8150, 75.7750,  
31.0040

■ 72.4203, 89.0608,  
75.0027

■ 41.1296, 74.0168,  
24.4318

■ 82.9415, 94.1439,  
90.8920

■ 38.5367, 72.7884,  
19.4164

95.0500, 100.0000,  
108.9000

■ 36.9120, 72.0286,  
15.8289

■ 36.0635, 71.6414,  
13.5179

■ 36.0634, 71.6414,  
13.5178

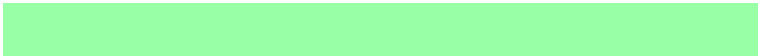
# Harmonies

## Analogous

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



65.5143, 81.0823, 32.9373



55.8719, 81.0823, 49.2649



51.9159, 81.0823, 81.5836

# Triad

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



55.8719, 81.0823, 49.2649



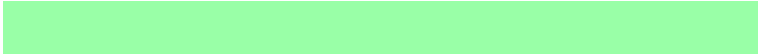
74.6895, 81.0823, 197.7676



105.9814, 81.0823, 57.7891

# Complementary

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



55.8719, 81.0823, 49.2649



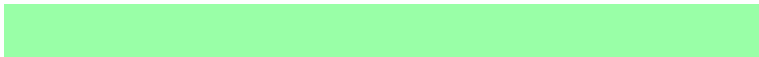
68.5084, 50.3937, 89.3343

# 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.



109.2555, 81.0823, 95.3433



55.8719, 81.0823, 49.2649



89.9021, 81.0823, 185.1938

# Square

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



55.8719, 81.0823, 49.2649



61.8518, 81.0823, 174.1496



103.0390, 81.0823, 143.8465

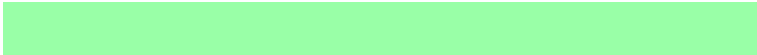


94.5912, 81.0823, 36.6320



# Rectangle

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



55.8719, 81.0823, 49.2649



52.6097, 81.0823, 111.5510



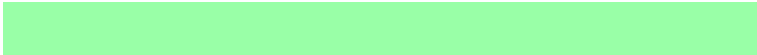
103.0390, 81.0823, 143.8465



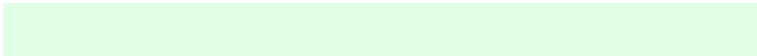
108.1251, 81.0823, 68.5020

# Sweetspot

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



55.8724, 81.0826, 49.2662



80.7117, 93.0661, 87.5462



77.9223, 92.5912, 43.9025



16.9713, 19.7729, 18.2806



0.0000, 0.0000, 0.0000

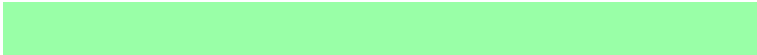


20.3446, 21.4041, 23.3091



# Same Dimension

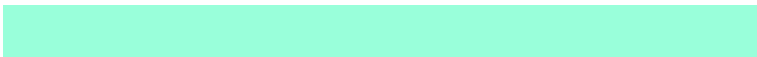
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8724, 81.0826, 49.2662



50.8268, 78.6568, 41.1057



61.4998, 83.3335, 78.8995



17.8731, 20.2088, 19.6346



18.8747, 37.4465, 7.2253



1.8673, 3.6578, 0.8589



# Inverse Universe

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



68.5084, 50.3937, 89.3343



65.0346, 44.1104, 86.1282



61.9696, 47.7782, 54.9012



18.6791, 18.2549, 22.1932



28.3401, 13.8253, 36.7709

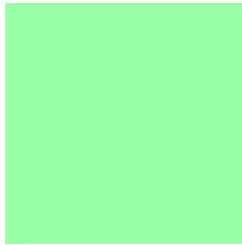


2.7877, 1.3575, 3.7294



# Previews

## White Background



This preview shows how the XYZ color 55.8719, 81.0823, 49.2649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

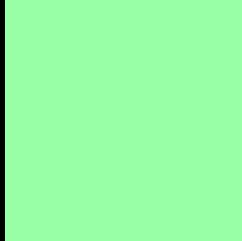
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8719, 81.0823, 49.2649 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 55.8719, 81.0823, 49.2649**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8719, 81.0823, 49.2649.



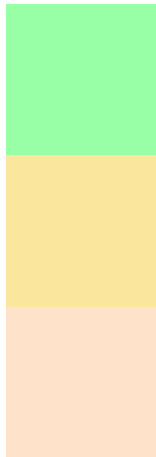
This preview shows how white text looks on a background with the XYZ color 55.8719, 81.0823,



# 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

55.8719, 81.0823, 49.2649

### Protanopia

74.0861, 79.9101, 43.4177

### Deuteranopia

79.0970, 79.9170, 67.1338



## Tritanopia

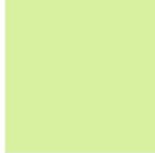
70.4453, 80.4873, 106.4305

# Trichromacy



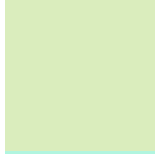
## Original Color

55.8719, 81.0823, 49.2649



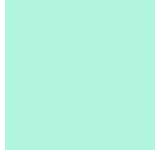
## Protanomaly

65.6174, 79.3405, 45.5740



## Deuteranomaly

68.3829, 79.1479, 59.8170



## Tritanomaly

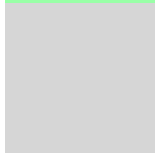
64.1032, 79.9796, 81.8711

# Monochromacy



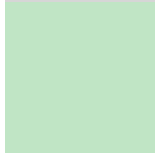
## Original Color

55.8719, 81.0823, 49.2649



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

59.8356, 71.2763, 63.4274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8719, 81.0823, 49.2649 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(153, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 167)  
}
```

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(153, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8719, 81.0823, 49.2649 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(153, 255, 167) }
```



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

```
.border{ border-color:rgb(153, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8719, 81.0823, 49.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 167) }
```

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

```
.background{ background-color: rgb(153,  
255, 167) }
```

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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