

# Converting Colors

XYZ(55.9940, 81.1313, 49.9032)

Have a look what the booklet for  
XYZ(55.9940, 81.1313, 49.9032)  
contains.

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# Color

**XYZ(55.9648, 81.1195,  
49.7538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFA8
RGB	153, 255, 168
RGB Percent	60%, 100%, 66%
CMY	0.4000, 0.0000, 0.3412
CMYK	0.40, 0.00, 0.34, 0.00
HSL	129°, 100%, 80%
HSV	129°, 40%, 100%
XYZ	55.9648, 81.1195, 49.7538
YIQ	214.5840, -32.8650, -48.6810

# Conversions

## Conversions Part 2

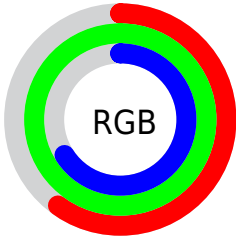
Format	Color
<a href="#">RYB</a>	<a href="#">153, 242, 255</a>
Decimal	<a href="#">10092456</a>
CIELab	<a href="#">92.18, -47.24, 32.48</a>
CIElCh	<a href="#">92, 57.324, 145.488</a>
Yxy	<a href="#">81.1195, 0.2995, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4288282536 (0xFF99FFA8)</a>
YUV	<a href="#">214.5840, -22.9659, -54.0092</a>
Hunter-Lab	<a href="#">90.0664, -46.7011, 30.2939</a>

# Details

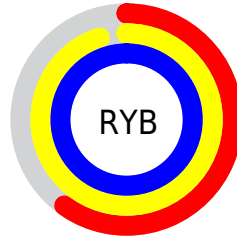
The XYZ color **55.9648, 81.1195, 49.7538** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.3595, 50.3342, 88.5497**, and the grayscale version is **64.4760, 67.8338, 73.8710**.

A 20% lighter version of the original color is **76.0785, 90.7507, 84.0279**, and **28.1125, 44.1128, 23.2526** is the 20% darker color. If you saturate the color by 10%, you get **49.7953, 78.1538, 39.7581**, and if you desaturate by 10%, it is **63.5026, 84.7513, 61.5851**.

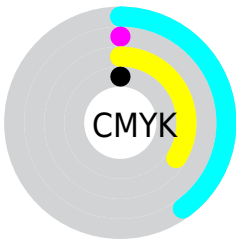
# Distribution



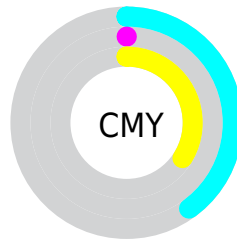
- Red (60%)
- Green (100%)
- Blue (66%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9648, 81.1195, 49.7538 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 55.9648, 81.1195, 49.7538 by changing the saturation by 10% instead.





 55.9648, 81.1195,  
49.7538


 55.9648, 81.1195,  
49.7538


399.6360,  
498.6977, 402.4098

 40.4116, 60.6400,  
34.8480


 98.0932, 134.9385,  
91.2025

 28.0452, 43.9347,  
23.2632


 125.3991,  
169.0469, 118.5826

 18.5004, 30.6192,  
14.5808


157.3533,  
208.4670, 150.9577

 11.4117, 20.3090,  
8.3824

194.3212,  
253.5833, 188.7466

 6.4138, 12.6199,  
4.2493

236.6680,  
304.7801, 232.3677

 3.1413, 7.1673,  
1.7631


284.7592,


 1.2289, 3.5670,


362.4418, 282.2396


0.4034


338.9601,  
426.9529, 338.7808


 0.1290, 1.4344,  
0.0000


 0.0000, 0.2419,  
0.0000


 55.9648, 81.1195,  
49.7538


 55.9648, 81.1195,  
49.7538


 49.7953, 78.1538,  
39.7581


 63.5026, 84.7513,  
61.5851

 44.9097, 75.8129,  
31.5025

 72.4832, 89.0860,  
75.3335

 41.2163, 74.0515,  
24.8883

 82.9773, 94.1582,  
91.0804

 38.6107, 72.8180,  
19.8057

95.0500, 100.0000,  
108.9000

■ 36.9694, 72.0515,  
16.1312

■ 36.1019, 71.6568,  
13.7205

■ 36.1019, 71.6568,  
13.7204

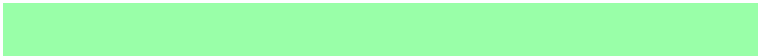
# Harmonies

## Analogous

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



65.5017, 81.1195, 33.3234



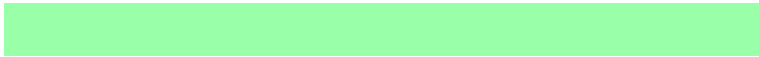
55.9648, 81.1195, 49.7538



52.0873, 81.1195, 82.0722

# Triad

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



55.9648, 81.1195, 49.7538



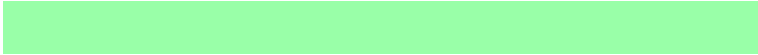
74.8861, 81.1195, 196.9189



105.7223, 81.1195, 57.7130

# Complementary

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



55.9648, 81.1195, 49.7538



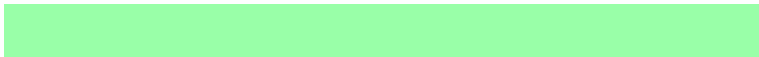
68.3595, 50.3342, 88.5497

# 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.



109.0637, 81.1195, 94.8883



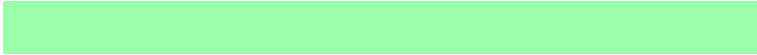
55.9648, 81.1195, 49.7538



89.9961, 81.1195, 184.1124

# Square

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



55.9648, 81.1195, 49.7538



62.0872, 81.1195, 173.8545



102.9852, 81.1195, 142.9650

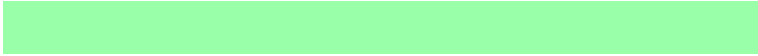


94.3603, 81.1195, 36.7817



# Rectangle

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



55.9648, 81.1195, 49.7538



52.8178, 81.1195, 111.9040



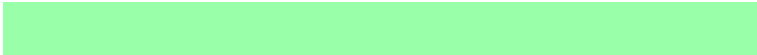
102.9852, 81.1195, 142.9650



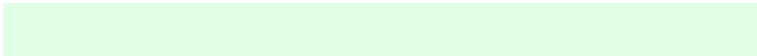
107.8780, 81.1195, 68.3157

# Sweetspot

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



55.9653, 81.1197, 49.7551



80.7535, 93.0829, 87.7665



77.9223, 92.5912, 43.9026



16.9810, 19.7768, 18.3320



0.0000, 0.0000, 0.0000

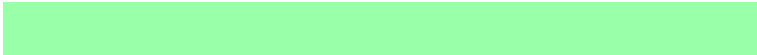


20.3446, 21.4041, 23.3091

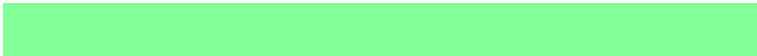


# Same Dimension

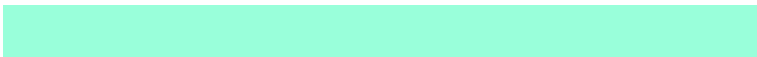
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9653, 81.1197, 49.7551



50.9234, 78.6955, 41.6146



61.4998, 83.3335, 78.8995



17.8804, 20.2117, 19.6732



18.8965, 37.4552, 7.3403



1.8707, 3.6592, 0.8769



# Inverse Universe

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



68.3595, 50.3342, 88.5497



64.8587, 44.0401, 85.2017



61.9697, 47.7782, 54.9013



18.6710, 18.2517, 22.1508



28.1706, 13.7575, 35.8786

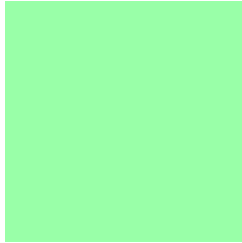


2.7728, 1.3515, 3.6510



# Previews

## White Background



This preview shows how the XYZ color 55.9648, 81.1195, 49.7538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

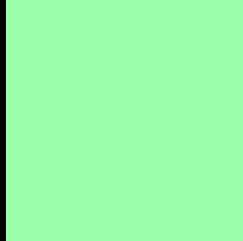
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9648, 81.1195, 49.7538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

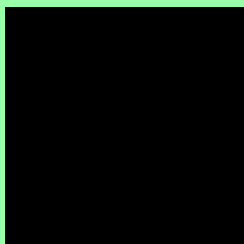
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.9648, 81.1195, 49.7538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9648, 81.1195, 49.7538.



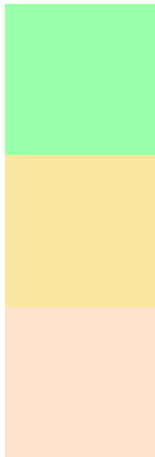
This preview shows how white text looks on a background with the XYZ color 55.9648, 81.1195,

49.7538.

# 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

55.9648, 81.1195, 49.7538

### Protanopia

74.1718, 79.9444, 43.8693

### Deuteranopia

79.0970, 79.9170, 67.1338



## Tritanopia

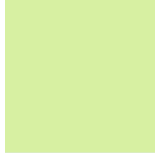
70.4453, 80.4873, 106.4305

# Trichromacy



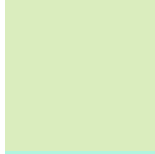
## Original Color

55.9648, 81.1195, 49.7538



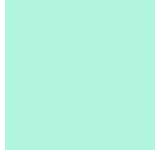
## Protanomaly

65.7060, 79.3759, 46.0404



## Deuteranomaly

68.4919, 79.1915, 60.3908



## Tritanomaly

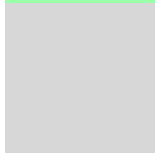
64.1032, 79.9796, 81.8711

# Monochromacy



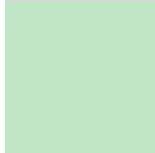
## Original Color

55.9648, 81.1195, 49.7538



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.2281, 71.8773, 64.1254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9648, 81.1195, 49.7538 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9648, 81.1195, 49.7538 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, 168) }
```



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

```
.border{ border-color:rgb(153, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9648, 81.1195, 49.7538 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, 168) }
```

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

```
.background{ background-color: rgb(153,  
255, 168) }
```

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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