

# Converting Colors

XYZ(59.5922, 88.6435, 49.7938)

Have a look what the booklet for  
XYZ(59.5922, 88.6435, 49.7938)  
contains.

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# Color

**XYZ(55.6884, 81.0089,  
48.2985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFA5
RGB	153, 255, 165
RGB Percent	60%, 100%, 65%
CMY	0.4000, 0.0000, 0.3529
CMYK	0.40, 0.00, 0.35, 0.00
HSL	127°, 100%, 80%
HSV	127°, 40%, 100%
XYZ	55.6884, 81.0089, 48.2985
YIQ	214.2420, -31.9020, -49.6140

# Conversions

## Conversions Part 2

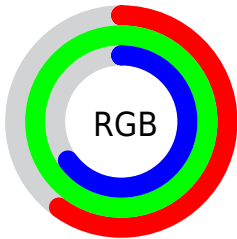
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 244, 255</a>
Decimal	<a href="#">10092453</a>
CIELab	<a href="#">92.14, -47.71, 33.91</a>
CIELCh	<a href="#">92, 58.537, 144.598</a>
Yxy	<a href="#">81.0089, 0.3010, 0.4379</a>
Android (android.graphics.Color)	<a href="#">4288282533 (0xFF99FFA5)</a>
YUV	<a href="#">214.2420, -24.2763, -53.7092</a>
Hunter-Lab	<a href="#">90.0049, -47.0661, 31.1872</a>

# Details

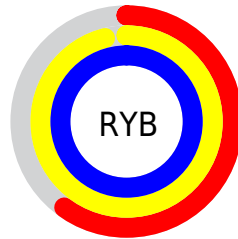
The XYZ color **55.6884, 81.0089, 48.2985** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.8089, 50.5139, 90.9166**, and the grayscale version is **64.2531, 67.5992, 73.6156**.

A 20% lighter version of the original color is **75.6751, 90.5893, 81.9036**, and **27.9426, 44.0448, 22.3580** is the 20% darker color. If you saturate the color by 10%, you get **49.5076, 78.0388, 38.2433**, and if you desaturate by 10%, it is **63.2589, 84.6538, 60.3019**.

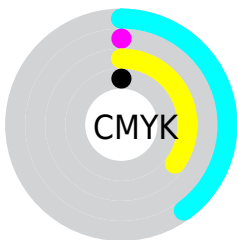
# Distribution



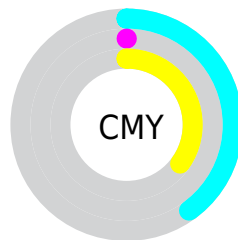
- Red (60%)
- Green (100%)
- Blue (65%)



- Red (60%)
- Yellow (96%)
- 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 55.6884, 81.0089, 48.2985 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 55.6884, 81.0089, 48.2985 by changing the saturation by 10% instead.





 55.6884, 81.0089,  
48.2985


 55.6884, 81.0089,  
48.2985


398.6102,  
498.3264, 396.5169

 40.1892, 60.5489,  
33.7017


 97.6913, 134.7833,  
89.0188

 27.8709, 43.8612,  
22.3890


 124.9257,  
168.8664, 115.9794

 18.3683, 30.5614,  
13.9420


156.8025,  
208.2595, 147.8984

 11.3161, 20.2651,  
7.9420

193.6870,  
253.3468, 185.1942

 6.3487, 12.5879,  
3.9706

235.9447,  
304.5127, 228.2854

 3.1009, 7.1454,  
1.6092

283.9409,

 1.2073, 3.5532,

362.1417, 277.5905

0.2974

338.0410,  
426.6182, 333.5282

■ 0.1122, 1.4269,  
0.0000

■ 0.0000, 0.2364,  
0.0000

■ 55.6884, 81.0089,  
48.2985

■ 55.6884, 81.0089,  
48.2985

■ 49.5076, 78.0388,  
38.2433

■ 63.2589, 84.6538,  
60.3019

■ 44.6300, 75.7010,  
30.0299

■ 72.2953, 89.0108,  
74.3445

■ 40.9617, 73.9496,  
23.5476

■ 82.8702, 94.1154,  
90.5164

■ 38.3954, 72.7319,  
18.6724

95.0500, 100.0000,  
108.9000

■ 36.8046, 71.9856,  
15.2635

■ 35.9944, 71.6138,  
13.1544

■ 35.9944, 71.6138,  
13.1543

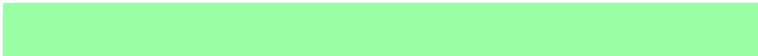
# Harmonies

## Analogous

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



65.5414, 81.0089, 32.1764



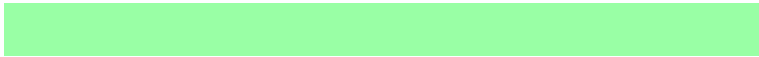
55.6884, 81.0089, 48.2985



51.5761, 81.0089, 80.6126

# Triad

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



55.6884, 81.0089, 48.2985



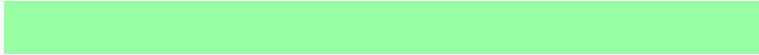
74.2977, 81.0089, 199.4659



106.5003, 81.0089, 57.9447

# Complementary

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



55.6884, 81.0089, 48.2985



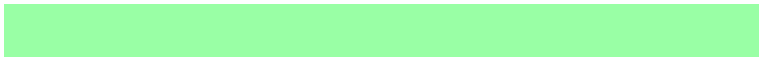
68.8089, 50.5139, 90.9166

# 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.



109.6390, 81.0089, 96.2596



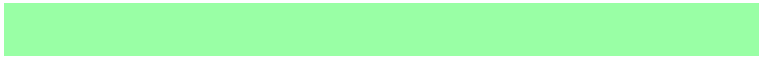
55.6884, 81.0089, 48.2985



89.7142, 81.0089, 187.3649

# Square

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



55.6884, 81.0089, 48.2985



61.3840, 81.0089, 174.7355



103.1459, 81.0089, 145.6197

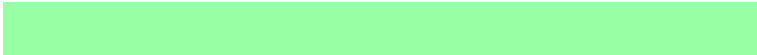


95.0544, 81.0089, 36.3369



# Rectangle

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



55.6884, 81.0089, 48.2985



52.1969, 81.0089, 110.8456



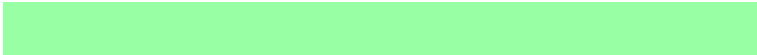
103.1459, 81.0089, 145.6197



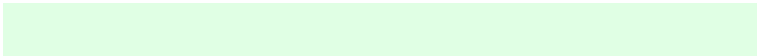
108.6199, 81.0089, 68.8783

# Sweetspot

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



55.6889, 81.0091, 48.2998



80.6282, 93.0327, 87.1066



78.5066, 92.8925, 43.9299



16.9518, 19.7651, 18.1780



0.0000, 0.0000, 0.0000

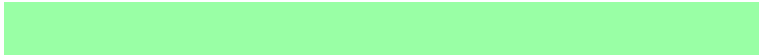


20.3446, 21.4041, 23.3091



# Same Dimension

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



55.6889, 81.0091, 48.2998



50.6364, 78.5807, 40.1032



61.2789, 83.2452, 77.7365



17.8585, 20.2029, 19.5577



18.8351, 37.4306, 7.0168



1.8604, 3.6551, 0.8228



# Inverse Universe

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



68.8089, 50.5139, 90.9166



65.3901, 44.2526, 88.0000



62.1571, 47.8532, 55.8883



18.6952, 18.2614, 22.2781



28.6865, 13.9639, 38.5952

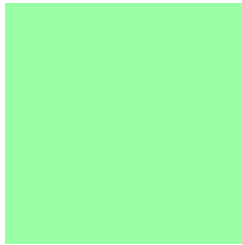


2.8180, 1.3696, 3.8892



# Previews

## White Background



This preview shows how the XYZ color 55.6884, 81.0089, 48.2985 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 55.6884, 81.0089, 48.2985 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 55.6884, 81.0089, 48.2985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6884, 81.0089, 48.2985.



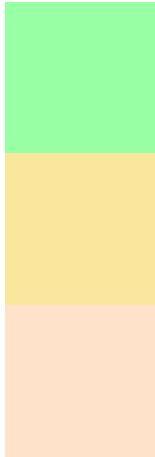
This preview shows how white text looks on a background with the XYZ color 55.6884, 81.0089,



# 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

55.6884, 81.0089, 48.2985

### Protanopia

74.2760, 80.0276, 42.5425

### Deuteranopia

78.9790, 79.8698, 66.5121



## Tritanopia

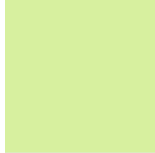
70.4453, 80.4873, 106.4305

# Trichromacy



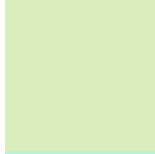
## Original Color

55.6884, 81.0089, 48.2985



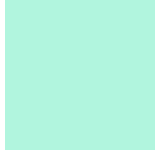
## Protanomaly

65.4424, 79.2705, 44.6524



## Deuteranomaly

68.2747, 79.1046, 59.2472



## Tritanomaly

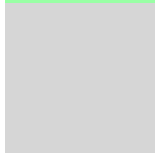
63.9687, 79.9259, 81.1630

# Monochromacy



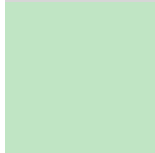
## Original Color

55.6884, 81.0089, 48.2985



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

59.7213, 71.2306, 62.8258

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6884, 81.0089, 48.2985 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6884, 81.0089, 48.2985 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, 165) }
```



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

```
.border{ border-color:rgb(153, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6884, 81.0089, 48.2985 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, 165) }
```

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

```
.background{ background-color: rgb(153,  
255, 165) }
```

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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