

# Converting Colors

XYZ(58.9584, 88.4525, 52.7667)

Have a look what the booklet for  
XYZ(58.9584, 88.4525, 52.7667)  
contains.

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# Color

**XYZ(55.0605, 80.6095,  
51.6869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FFAC
RGB	146, 255, 172
RGB Percent	57%, 100%, 67%
CMY	0.4274, 0.0000, 0.3255
CMYK	0.43, 0.00, 0.33, 0.00
HSL	134°, 100%, 79%
HSV	134°, 43%, 100%
XYZ	55.0605, 80.6095, 51.6869
YIQ	212.9470, -38.3210, -48.9210

# Conversions

## Conversions Part 2

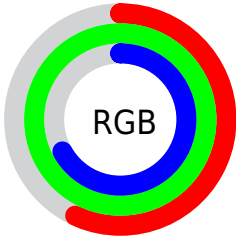
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">146, 234, 255</a>
Decimal	<a href="#">9633708</a>
CIELab	<a href="#">91.96, -48.53, 30.12</a>
CIELCh	<a href="#">92, 57.112, 148.174</a>
Yxy	<a href="#">80.6095, 0.2939, 0.4302</a>
Android (android.graphics.Color)	<a href="#">4287823788 (0xFF92FFAC)</a>
YUV	<a href="#">212.9470, -20.1869, -58.7125</a>
Hunter-Lab	<a href="#">89.7828, -47.6524, 28.7154</a>

# Details

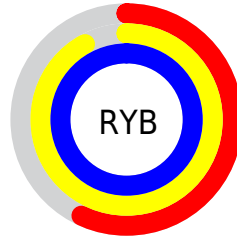
The XYZ color **55.0605, 80.6095, 51.6869** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.6620, 47.4756, 79.8315**, and the grayscale version is **63.3594, 66.6590, 72.5917**.

A 20% lighter version of the original color is **74.6654, 89.9588, 86.8273**, and **27.5484, 43.7948, 24.4541** is the 20% darker color. If you saturate the color by 10%, you get **49.2911, 77.8353, 42.3835**, and if you desaturate by 10%, it is **62.1144, 84.0145, 62.4754**.

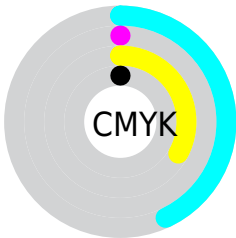
# Distribution



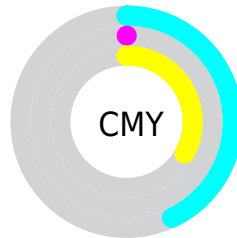
- Red (57%)
- Green (100%)
- Blue (67%)



- Red (57%)
- Yellow (92%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0605, 80.6095, 51.6869 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 55.0605, 80.6095, 51.6869 by changing the saturation by 10% instead.





 55.0605, 80.6095,  
51.6869

 55.0605, 80.6095,  
51.6869


396.2739,  
496.9845, 410.1492

 39.6842, 60.2200,  
36.3750


 96.7774, 134.2223,  
94.0912

 27.4755, 43.5960,  
24.4320


 123.8487,  
168.2145, 122.0207

 18.0691, 30.3530,  
15.4392


155.5490,  
207.5096, 154.9932

 11.0996, 20.1067,  
8.9782

192.2438,  
252.4922, 193.4272

 6.2017, 12.4726,  
4.6303

234.2983,  
303.5466, 237.7413

 3.0099, 7.0664,  
1.9771


282.0779,


 1.1590, 3.5037,


361.0572, 288.3539


0.5412


335.9480,  
425.4084, 345.6837


 0.0736, 1.4000,  
0.0000


 0.0000, 0.2167,  
0.0000


 55.0605, 80.6095,  
51.6869


 55.0605, 80.6095,  
51.6869


 49.2911, 77.8353,  
42.3835


 62.1144, 84.0145,  
62.4754


 44.7248, 75.6511,  
34.4961

 70.5240, 88.0856,  
74.8061

 41.2731, 74.0129,  
27.9559

 80.3569, 92.8565,  
88.7381

 38.8342, 72.8697,  
22.6868

 91.6760, 98.3584,  
104.3259

■ 37.2861, 72.1603, 95.0500, 100.0000,  
18.6048 108.9000

■ 36.5977, 71.8551,  
16.3311

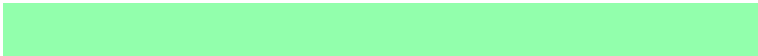
# Harmonies

## Analogous

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



64.0543, 80.6095, 34.0769



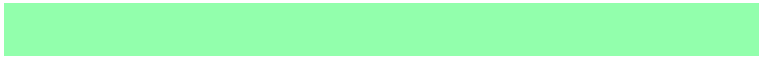
55.0605, 80.6095, 51.6869



51.7383, 80.6095, 85.2208

# Triad

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



55.0605, 80.6095, 51.6869



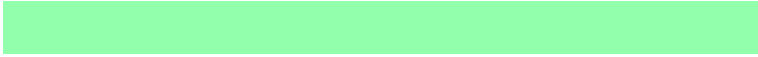
75.7216, 80.6095, 195.8176



104.2724, 80.6095, 54.8832

# Complementary

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



55.0605, 80.6095, 51.6869



65.6620, 47.4756, 79.8315

# 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.



108.4132, 80.6095, 90.3696



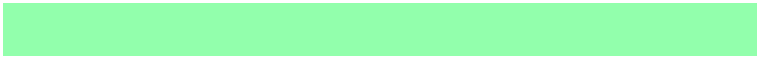
55.0605, 80.6095, 51.6869



90.7232, 80.6095, 179.9901

# Square

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



55.0605, 80.6095, 51.6869



62.6825, 80.6095, 175.8668



103.1723, 80.6095, 137.6407

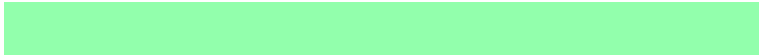


92.4770, 80.6095, 35.4654



# Rectangle

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



55.0605, 80.6095, 51.6869



52.8179, 80.6095, 115.4582



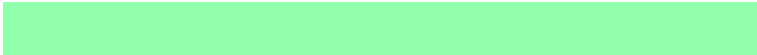
103.1723, 80.6095, 137.6407



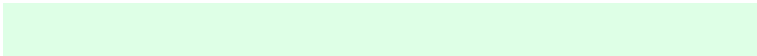
106.6669, 80.6095, 64.9052

# Sweetspot

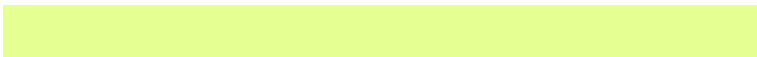
The Sweet Spot groups the original color and five complimentary colors.



55.0611, 80.6098, 51.6882



80.0872, 92.7255, 88.3613



73.4429, 90.3469, 40.7629



16.6523, 19.6093, 18.2267



0.0000, 0.0000, 0.0000

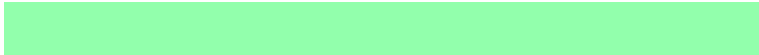


20.3446, 21.4041, 23.3091



# Same Dimension

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



55.0611, 80.6098, 51.6882



50.2085, 78.2756, 43.9025



61.3329, 83.1186, 84.7149



17.9491, 20.2392, 20.0351



19.1711, 37.5650, 8.7861



1.9070, 3.6737, 1.0683



# Inverse Universe

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



65.6620, 47.4756, 79.8315



62.0188, 41.2952, 75.2074



59.2638, 44.9163, 46.1388



18.5965, 18.2219, 21.7582



26.7083, 13.1726, 28.1781

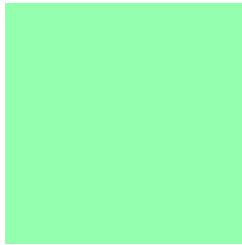


2.6429, 1.2995, 2.9670



# Previews

## White Background



This preview shows how the XYZ color 55.0605, 80.6095, 51.6869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

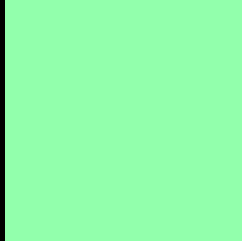
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0605, 80.6095, 51.6869 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 55.0605, 80.6095, 51.6869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0605, 80.6095, 51.6869.



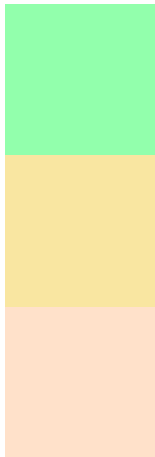
This preview shows how white text looks on a background with the XYZ color 55.0605, 80.6095,

51.6869.

# 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

55.0605, 80.6095, 51.6869

### Protanopia

73.7968, 79.3066, 45.1364

### Deuteranopia

78.8259, 79.3747, 67.0434



## Tritanopia

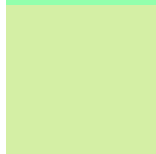
69.4598, 79.9793, 106.3844

# Trichromacy



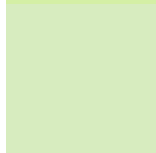
## Original Color

55.0605, 80.6095, 51.6869



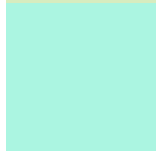
## Protanomaly

64.8094, 78.4467, 47.3232



## Deuteranomaly

67.4238, 78.1996, 60.8306



## Tritanomaly

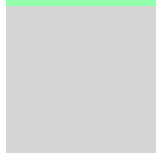
63.0376, 79.3990, 83.2373

# Monochromacy



## Original Color

55.0605, 80.6095, 51.6869



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

58.9227, 70.3828, 63.9058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0605, 80.6095, 51.6869 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(146, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 172)  
}
```

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(146, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0605, 80.6095, 51.6869 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(146, 255, 172) }
```



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

```
.border{ border-color:rgb(146, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0605, 80.6095, 51.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 172) }
```

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

```
.background{ background-color: rgb(146,  
255, 172) }
```

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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