

# Converting Colors

XYZ(68.6559, 110.2641,  
49.8552)

Have a look what the booklet for  
XYZ(68.6559, 110.2641, 49.8552)  
contains.

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# Color

**XYZ(53.6086, 80.0084,  
44.9654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FF9E
RGB	145, 255, 158
RGB Percent	57%, 100%, 62%
CMY	0.4314, 0.0000, 0.3804
CMYK	0.43, 0.00, 0.38, 0.00
HSL	127°, 100%, 78%
HSV	127°, 43%, 100%
XYZ	53.6086, 80.0084, 44.9654
YIQ	211.0520, -34.4230, -53.4870

# Conversions

## Conversions Part 2

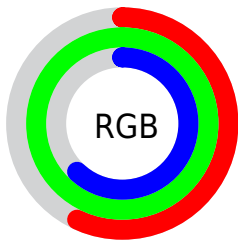
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 243, 255
Decimal	9568158
CIELab	91.69, -51.06, 36.73
CIELCh	92, 62.902, 144.270
Yxy	80.0084, 0.3002, 0.4480
Android (android.graphics.Color)	4287758238 (0xFF91FF9E)
YUV	211.0520, -26.1546, -57.9276
Hunter-Lab	89.4474, -49.5524, 32.8080

# Details

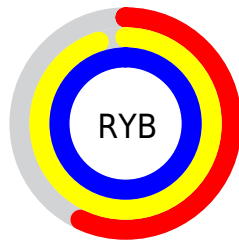
The XYZ color **53.6086, 80.0084, 44.9654** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.3924, 47.9219, 89.7011**, and the grayscale version is **62.1347, 65.3705, 71.1885**.

A 20% lighter version of the original color is **72.3988, 89.0206, 76.3177**, and **26.4465, 42.9787, 20.2664** is the 20% darker color. If you saturate the color by 10%, you get **47.8464, 77.2414, 35.5002**, and if you desaturate by 10%, it is **60.7342, 83.4373, 56.3454**.

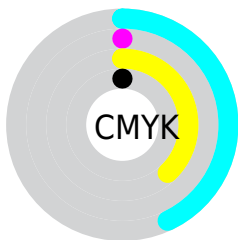
# Distribution



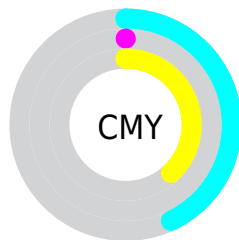
- Red (57%)
- Green (100%)
- Blue (62%)



- Red (57%)
- Yellow (95%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6086, 80.0084, 44.9654 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 53.6086, 80.0084, 44.9654 by changing the saturation by 10% instead.





 53.6086, 80.0084,  
44.9654


 53.6086, 80.0084,  
44.9654


390.8385,  
494.9611, 382.7895

 38.5183, 59.7253,  
31.0874


 94.6596, 133.3775,  
83.9864

 26.5642, 43.1972,  
20.4064


 121.3509,  
167.2323, 109.9665

 17.3811, 30.0399,  
12.5038


152.6400,  
206.3798, 140.8177

 10.6036, 19.8689,  
6.9611

188.8921,  
251.2044, 176.9586

 5.8662, 12.2998,  
3.3597

230.4727,  
302.0904, 218.8076

 2.8038, 6.9482,  
1.2811

277.7470,

 1.0509, 3.4297,

359.4222, 266.7834

0.0462

331.0805,  
423.5844, 321.3045

0.0000, 1.3600,  
0.0000

0.0000, 0.1869,  
0.0000

53.6086, 80.0084,  
44.9654

53.6086, 80.0084,  
44.9654

47.8464, 77.2414,  
35.5002

60.7342, 83.4373,  
56.3454

43.3586, 75.0927,  
27.8410

69.3017, 87.5665,  
69.7335

40.0477, 73.5145,  
21.8739

79.3852, 92.4324,  
85.2212

37.8015, 72.4517,  
17.4705

91.0532, 98.0684,  
102.8936

■ 36.4850, 71.8377, 95.0500, 100.0000,  
14.4840 108.9000

■ 35.9961, 71.6145,  
13.1635

# Harmonies

## Analogous

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



64.0329, 80.0084, 28.7625



53.6086, 80.0084, 44.9654



49.2457, 80.0084, 78.5708

# Triad

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



53.6086, 80.0084, 44.9654



73.0003, 80.0084, 208.2470



107.8540, 80.0084, 55.5553

# Complementary

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



53.6086, 80.0084, 44.9654



67.3924, 47.9219, 89.7011

# 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.



111.1409, 80.0084, 96.2584



53.6086, 80.0084, 44.9654



89.4738, 80.0084, 195.3251

# Square

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



53.6086, 80.0084, 44.9654



59.3828, 80.0084, 180.5689



104.0041, 80.0084, 149.7243



95.5658, 80.0084, 33.1956



# Rectangle

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



53.6086, 80.0084, 44.9654



49.8465, 80.0084, 110.8126



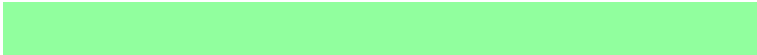
104.0041, 80.0084, 149.7243



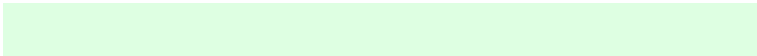
110.1146, 80.0084, 67.0633

# Sweetspot

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



53.6090, 80.0086, 44.9667



79.5339, 92.5042, 85.4481



77.5462, 92.4711, 40.5501



16.5175, 19.5554, 17.5167



0.0000, 0.0000, 0.0000

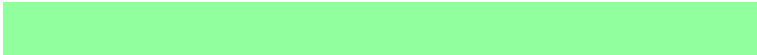


20.3446, 21.4041, 23.3091



# Same Dimension

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



53.6090, 80.0086, 44.9667



48.4355, 77.5239, 36.4832



59.4264, 82.3355, 75.6005



17.8589, 20.2031, 19.5598



18.8361, 37.4310, 7.0222



1.8606, 3.6552, 0.8238



# Inverse Universe

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



67.3924, 47.9219, 89.7011



63.8771, 41.5289, 86.5641



60.3532, 45.1062, 52.6331



18.6948, 18.2612, 22.2757



28.6769, 13.9601, 38.5447

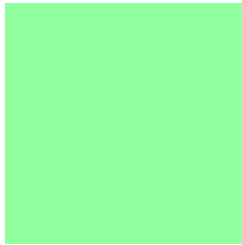


2.8172, 1.3693, 3.8848



# Previews

## White Background



This preview shows how the XYZ color 53.6086, 80.0084, 44.9654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

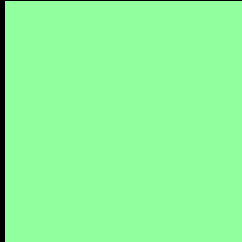
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6086, 80.0084, 44.9654 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

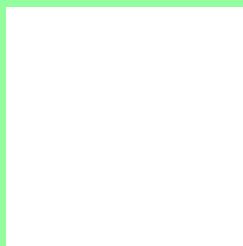
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.6086, 80.0084, 44.9654

## Background



This preview shows how black text looks on a background with the XYZ color 53.6086, 80.0084, 44.9654.



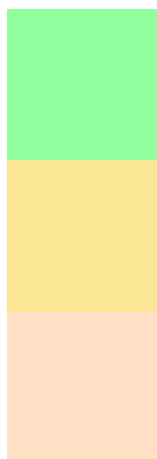
This preview shows how white text looks on a background with the XYZ color 53.6086, 80.0084,



# 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

53.6086, 80.0084, 44.9654

### Protanopia

73.0665, 79.0557, 39.4252

### Deuteranopia

77.9737, 78.6025, 63.8855



## Tritanopia

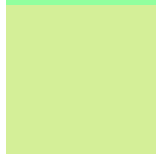
68.9773, 79.7305, 106.3618

# Trichromacy



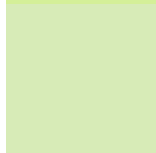
## Original Color

53.6086, 80.0084, 44.9654



## Protanomaly

63.6854, 77.9971, 41.4041



## Deuteranomaly

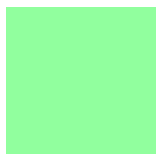
66.2799, 77.2826, 56.2235



## Tritanomaly

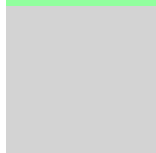
62.1482, 79.0182, 79.6866

# Monochromacy



## Original Color

53.6086, 80.0084, 44.9654



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.4770, 69.3087, 60.2177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6086, 80.0084, 44.9654 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(145, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 158)  
}
```

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(145, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6086, 80.0084, 44.9654 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(145, 255, 158) }
```



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

```
.border{ border-color:rgb(145, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6086, 80.0084, 44.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 158) }
```

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

```
.background{ background-color: rgb(145,  
255, 158) }
```

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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