

# Converting Colors

XYZ(54.0570, 78.3733, 50.4449)

Have a look what the booklet for  
XYZ(54.0570, 78.3733, 50.4449)  
contains.

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# Color

**XYZ(53.9656, 78.1925,  
50.2786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FBAA
RGB	148, 251, 170
RGB Percent	58%, 98%, 67%
CMY	0.4196, 0.0157, 0.3333
CMYK	0.41, 0.00, 0.32, 0.02
HSL	133°, 93%, 78%
HSV	133°, 41%, 98%
XYZ	53.9656, 78.1925, 50.2786
YIQ	210.9690, -35.3870, -47.0270

# Conversions

## Conversions Part 2

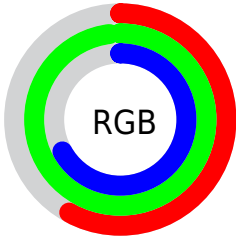
Format	Color
<a href="#">RYB</a>	<a href="#">148, 233, 251</a>
Decimal	<a href="#">9763754</a>
CIELab	<a href="#">90.87, -46.61, 29.67</a>
CIELCh	<a href="#">91, 55.250, 147.522</a>
Yxy	<a href="#">78.1925, 0.2958, 0.4286</a>
Android (android.graphics.Color)	<a href="#">4287953834 (0xFF94FBAA)</a>
YUV	<a href="#">210.9690, -20.1977, -55.2238</a>
Hunter-Lab	<a href="#">88.4265, -45.8101, 28.1868</a>

# Details

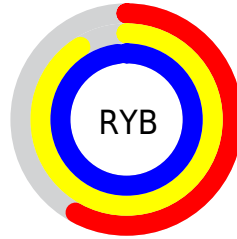
The XYZ color **53.9656, 78.1925, 50.2786** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.5189, 47.3478, 79.8700**, and the grayscale version is **62.0440, 65.2751, 71.0846**.

A 20% lighter version of the original color is **74.9411, 90.1328, 85.3991**, and **26.8171, 42.0921, 23.5408** is the 20% darker color. If you saturate the color by 10%, you get **48.1792, 75.4115, 40.9820**, and if you desaturate by 10%, it is **61.0209, 81.5996, 61.1014**.

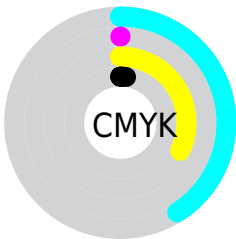
# Distribution



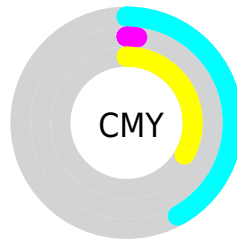
- Red (58%)
- Green (98%)
- Blue (67%)



- Red (58%)
- Yellow (91%)
- Blue (98%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)




- Cyan (42%)
- Magenta (2%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9656, 78.1925, 50.2786 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 53.9656, 78.1925, 50.2786 by changing the saturation by 10% instead.





 53.9656, 78.1925,  
50.2786


 53.9656, 78.1925,  
50.2786

392.1793,  
488.8203, 404.5207

 38.8047, 58.2321,  
35.2621


 95.1809, 130.8215,  
91.9881

 26.7879, 41.9953,  
23.5797


 121.9661,  
164.2588, 119.5181

 17.5497, 29.0976,  
14.8128


153.3567,  
202.9573, 152.0564

 10.7249, 19.1547,  
8.5429

189.7182,  
247.3013, 190.0215

 5.9481, 11.7821,  
4.3516

231.4158,  
297.6752, 233.8319

 2.8539, 6.5955,  
1.8201

278.8149,


 1.0770, 3.2104,

354.4634, 283.9063


0.4412


332.2810,  
418.0503, 340.6630


 0.0057, 1.2426,  
0.0000


 0.0000, 0.0961,  
0.0000

 53.9656, 78.1925,  
50.2786


 53.9656, 78.1925,  
50.2786


 48.1792, 75.4115,  
40.9820


 61.0209, 81.5996,  
61.1014


 43.5787, 73.2087,  
33.1379

 69.4090, 85.6579,  
73.5096

 40.0811, 71.5451,  
26.6741

 79.1971, 90.4029,  
87.5652

 37.5891, 70.3721,  
21.5100

 90.4458, 95.8646,  
103.3258

■ 35.9879, 69.6325,  
17.5567

■ 93.7887, 97.4773,  
108.4796

■ 35.1555, 69.2601,  
14.9583

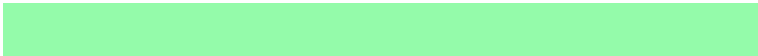
# Harmonies

## Analogous

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



62.6347, 78.1925, 33.6781



53.9656, 78.1925, 50.2786



50.6760, 78.1925, 81.8692

# Triad

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



53.9656, 78.1925, 50.2786



73.1692, 78.1925, 186.8664



100.6479, 78.1925, 54.4254

# Complementary

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



53.9656, 78.1925, 50.2786



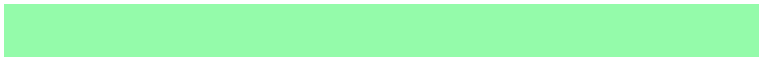
64.5189, 47.3478, 79.8700

# 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.



104.3664, 78.1925, 88.4933



53.9656, 78.1925, 50.2786



87.3744, 78.1925, 172.7224

# Square

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



53.9656, 78.1925, 50.2786



60.8645, 78.1925, 167.4691



99.2390, 78.1925, 133.2423

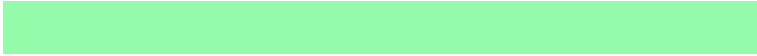


89.6245, 78.1925, 35.4944



# Rectangle

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



53.9656, 78.1925, 50.2786



51.6236, 78.1925, 110.3406



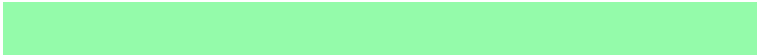
99.2390, 78.1925, 133.2423



102.8493, 78.1925, 64.0993

# Sweetspot

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



53.9676, 78.1958, 50.2804



81.0394, 93.1972, 89.2716



72.6071, 88.0254, 41.1814



17.0478, 19.8035, 18.6836



0.0000, 0.0000, 0.0000

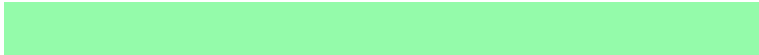


20.3446, 21.4041, 23.3091



# Same Dimension

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



53.9676, 78.1958, 50.2804



51.0371, 78.6952, 44.2812



59.6437, 80.4662, 80.1702



17.1691, 19.3699, 19.0909



18.5213, 36.4215, 8.0887



1.7526, 3.3881, 0.9448



# Inverse Universe

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



64.5189, 47.3478, 79.8700



63.2761, 42.8573, 78.5628



58.5023, 44.9411, 48.1872



17.8250, 17.4573, 20.9339



26.2885, 12.9311, 29.2914

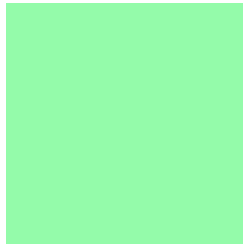


2.4730, 1.2129, 2.9140



# Previews

## White Background



This preview shows how the XYZ color 53.9656, 78.1925, 50.2786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

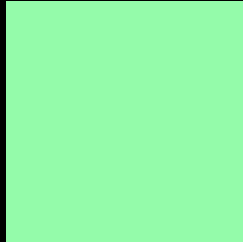
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9656, 78.1925, 50.2786 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 53.9656, 78.1925, 50.2786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9656, 78.1925, 50.2786.



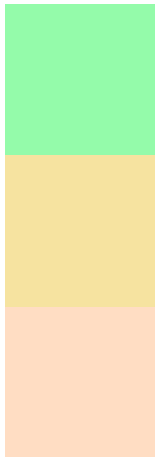
This preview shows how white text looks on a background with the XYZ color 53.9656, 78.1925,



# 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

53.9656, 78.1925, 50.2786

### Protanopia

71.8203, 77.0691, 44.3482

### Deuteranopia

76.9468, 76.9130, 62.4199



## Tritanopia

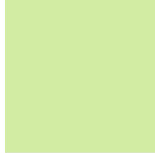
66.7560, 77.7162, 106.0901

# Trichromacy



## Original Color

53.9656, 78.1925, 50.2786



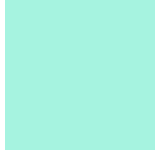
## Protanomaly

63.2746, 76.3729, 46.5285



## Deuteranomaly

66.0384, 75.8573, 57.6157



## Tritanomaly

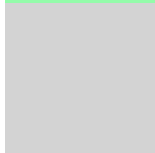
61.2310, 77.5900, 82.2702

# Monochromacy



## Original Color

53.9656, 78.1925, 50.2786



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.8992, 69.0696, 62.5047

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9656, 78.1925, 50.2786 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(148, 251, 170)` looks like.

```
.text, #text, p{  
    color:rgb(148, 251, 170)  
}
```

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(148, 251, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 251, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9656, 78.1925, 50.2786 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(148, 251, 170) }
```



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

```
.border{ border-color:rgb(148, 251, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 251, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 251, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 251, 170);  
box-shadow:4px 4px 4px 4px rgb(148, 251,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9656, 78.1925, 50.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 251, 170) }
```

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

```
.background{ background-color: rgb(148,  
251, 170) }
```

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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