

# Converting Colors

XYZ(53.5587, 80.0503, 41.9066)

Have a look what the booklet for  
XYZ(53.5587, 80.0503, 41.9066)  
contains.

<b>XYZ(53.5587, 80.0503, 41.9066)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.5587, 80.0503,  
41.9066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FF97
RGB	148, 255, 151
RGB Percent	58%, 100%, 59%
CMY	0.4196, 0.0000, 0.4078
CMYK	0.42, 0.00, 0.41, 0.00
HSL	122°, 100%, 79%
HSV	122°, 42%, 100%
XYZ	53.5587, 80.0503, 41.9066
YIQ	211.1510, -30.3880, -55.0280

# Conversions

## Conversions Part 2

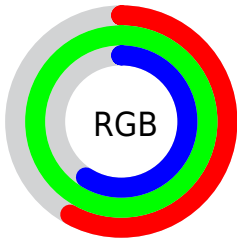
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 252, 255
Decimal	9764759
CIELab	91.71, -51.27, 40.22
CIELCh	92, 65.166, 141.886
Yxy	80.0503, 0.3052, 0.4561
Android (android.graphics.Color)	4287954839 (0xFF94FF97)
YUV	211.1510, -29.6544, -55.3834
Hunter-Lab	89.4708, -49.7209, 34.8592

# Details

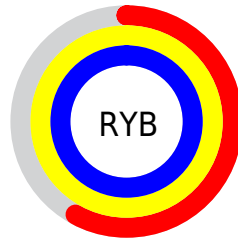
The XYZ color **53.5587, 80.0503, 41.9066** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.4005, 49.4684, 97.9846**, and the grayscale version is **62.2208, 65.4611, 71.2871**.

A 20% lighter version of the original color is **72.3542, 89.0980, 71.7767**, and **26.3873, 42.9880, 18.4620** is the 20% darker color. If you saturate the color by 10%, you get **47.6372, 77.2063, 32.2042**, and if you desaturate by 10%, it is **60.9201, 83.5877, 53.8874**.

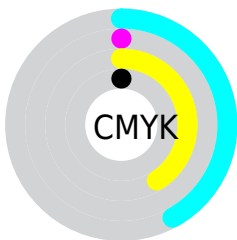
# Distribution



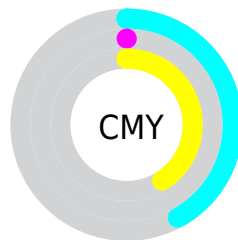
- Red (58%)
- Green (100%)
- Blue (59%)



- Red (58%)
- Yellow (99%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5587, 80.0503, 41.9066 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 53.5587, 80.0503, 41.9066 by changing the saturation by 10% instead.





 53.5587, 80.0503,  
41.9066


 53.5587, 80.0503,  
41.9066


390.6508,  
495.1023, 369.8838

 38.4782, 59.7597,  
28.7031


 94.5867, 133.4364,  
79.3268

 26.5330, 43.2250,  
18.6127


 121.2649,  
167.3008, 104.3806

 17.3575, 30.0617,  
11.2168


152.5397,  
206.4586, 134.2217

 10.5866, 19.8854,  
6.0969

188.7766,  
251.2942, 169.2685

 5.8548, 12.3118,  
2.8343

230.3407,  
302.1920, 209.9395

 2.7968, 6.9564,  
1.0107


277.5976,


 1.0473, 3.4348,


359.5363, 256.6534

0.0000


330.9125,  
423.7116, 309.8287


 0.0000, 1.3627,  
0.0000


 0.0000, 0.1890,  
0.0000


 53.5587, 80.0503,  
41.9066


 53.5587, 80.0503,  
41.9066


 47.6372, 77.2063,  
32.2042


 60.9201, 83.5877,  
53.8874


 43.0602, 75.0096,  
24.6324

 69.8059, 87.8592,  
68.2742

 39.7226, 73.4095,  
19.0323

 80.2954, 92.9032,  
85.1898

 37.5036, 72.3476,  
15.2207

 92.4623, 98.7552,  
104.7472

■ 36.2576, 71.7535, 95.0500, 100.0000,  
12.9806 108.9000

■ 35.7992, 71.5357,  
12.1264

# Harmonies

## Analogous

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



64.7563, 80.0503, 26.7319



53.5587, 80.0503, 41.9066



48.5702, 80.0503, 74.8410

# Triad

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



53.5587, 80.0503, 41.9066



71.6523, 80.0503, 213.2138



109.8562, 80.0503, 57.2361

# Complementary

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



53.5587, 80.0503, 41.9066



69.4005, 49.4684, 97.9846

# 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.



112.4160, 80.0503, 100.7642



53.5587, 80.0503, 41.9066



88.6643, 80.0503, 203.0412

# Square

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



53.5587, 80.0503, 41.9066



57.9736, 80.0503, 181.1224



104.1800, 80.0503, 156.9498



97.6239, 80.0503, 33.0649



# Rectangle

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



53.5587, 80.0503, 41.9066



48.8422, 80.0503, 107.4592



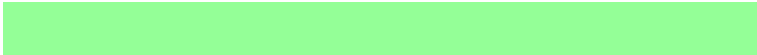
104.1800, 80.0503, 156.9498



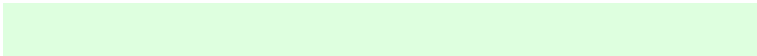
111.9416, 80.0503, 69.5951

# Sweetspot

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



53.5591, 80.0505, 41.9079



79.1279, 92.3418, 83.3099



81.6923, 94.5815, 41.9679



16.4189, 19.5160, 16.9977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

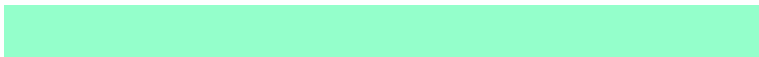
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.5591, 80.0505, 41.9079



48.6890, 77.7113, 33.9337



58.7863, 82.1414, 69.4340



17.7922, 20.1764, 19.2089



18.7148, 37.3825, 6.3832



1.8291, 3.6426, 0.6580



# Inverse Universe

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



69.4005, 49.4684, 97.9846



66.3735, 43.5600, 96.5265



62.2224, 46.5971, 60.1852



18.7694, 18.2911, 22.6686



30.3995, 14.6491, 47.6154

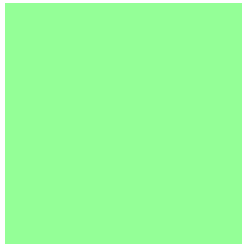


2.9666, 1.4290, 4.6714



# Previews

## White Background



This preview shows how the XYZ color 53.5587, 80.0503, 41.9066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

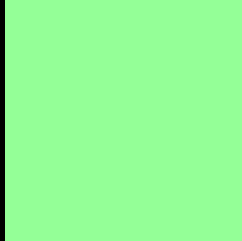
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5587, 80.0503, 41.9066 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 53.5587, 80.0503, 41.9066**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5587, 80.0503, 41.9066.



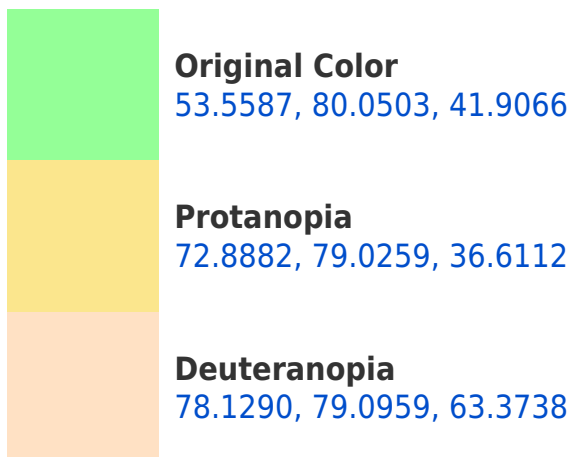
This preview shows how white text looks on a background with the XYZ color 53.5587, 80.0503,



# 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





## Tritanopia

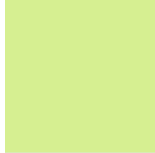
68.9241, 79.2673, 106.2752

# Trichromacy



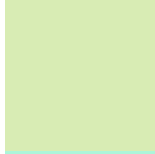
## Original Color

53.5587, 80.0503, 41.9066



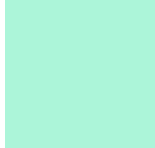
## Protanomaly

63.7089, 78.0735, 38.4999



## Deuteranomaly

66.5526, 77.8851, 54.7057



## Tritanomaly

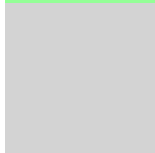
62.1901, 79.0852, 77.6329

# Monochromacy



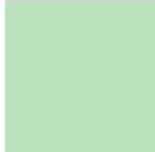
## Original Color

53.5587, 80.0503, 41.9066



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

57.3934, 69.3037, 58.4961

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5587, 80.0503, 41.9066 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, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 151)  
}
```

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, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5587, 80.0503, 41.9066 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, 255, 151) }
```



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

```
.border{ border-color:rgb(148, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5587, 80.0503, 41.9066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 151) }
```

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

```
.background{ background-color: rgb(148,  
255, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor