

# Converting Colors

XYZ(70.7305, 113.9890,  
39.9583)

Have a look what the booklet for  
XYZ(70.7305, 113.9890, 39.9583)  
contains.

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# Color

**XYZ(54.0254, 80.4550,  
34.5117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFF84
RGB	158, 255, 132
RGB Percent	62%, 100%, 52%
CMY	0.3804, 0.0000, 0.4823
CMYK	0.38, 0.00, 0.48, 0.00
HSL	107°, 100%, 76%
HSV	107°, 48%, 100%
XYZ	54.0254, 80.4550, 34.5117
YIQ	211.9750, -18.3290, -58.8170

# Conversions

## Conversions Part 2

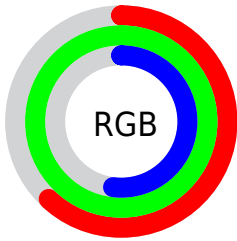
Format	Color
<a href="#">RYB</a>	<a href="#">132, 255, 229</a>
Decimal	<a href="#">10420100</a>
<a href="#">CIELab</a>	<a href="#">91.89, -50.86, 49.65</a>
<a href="#">CIElCh</a>	<a href="#">92, 71.075, 135.687</a>
<a href="#">Yxy</a>	<a href="#">80.4550, 0.3197, 0.4761</a>
Android (android.graphics.Color)	<a href="#">4288610180</a> ( <a href="#">0xFF9EFF84</a> )
<a href="#">YUV</a>	<a href="#">211.9750, -39.4277, -47.3361</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.6967, -49.4566, 39.9753</a>

# Details

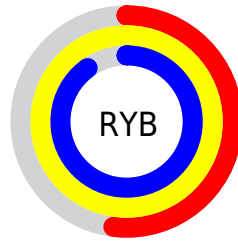
The XYZ color **54.0254, 80.4550, 34.5117** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.6157, 40.3819, 99.3128**, and the grayscale version is **62.8250, 66.0968, 71.9794**.

A 20% lighter version of the original color is **73.0485, 89.7068, 60.4788**, and **26.9722, 43.7194, 14.4142** is the 20% darker color. If you saturate the color by 10%, you get **48.8509, 77.9650, 26.2474**, and if you desaturate by 10%, it is **60.2744, 83.4496, 45.0546**.

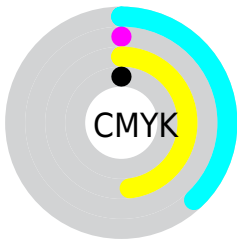
# Distribution



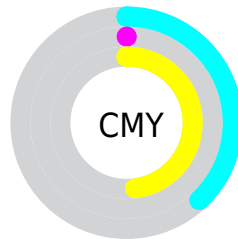
- Red (62%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (90%)



- Cyan (38%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0254, 80.4550, 34.5117 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 54.0254, 80.4550, 34.5117 by changing the saturation by 10% instead.





 54.0254, 80.4550,  
34.5117


 54.0254, 80.4550,  
34.5117


392.4036,  
496.4649, 337.2463

 38.8527, 60.0928,  
23.0064


 95.2682, 134.0053,  
67.8716

 26.8254, 43.4935,  
14.3929


 122.0691,  
167.9621, 90.5633

 17.5780, 30.2725,  
8.2526

 153.4767,  
207.2194, 117.8209

 10.7453, 20.0455,  
4.1669

189.8564,  
252.1614, 150.0629

 5.9619, 12.4281,  
1.7174

231.5736,  
303.1725, 187.7079

 2.8623, 7.0360,  
0.3726

278.9936,

 1.0814, 3.4846,

360.6373, 231.1745

0.0000

332.4819,  
424.9399, 280.8811

0.0095, 1.3897,  
0.0000

0.0000, 0.2091,  
0.0000

54.0254, 80.4550,  
34.5117

54.0254, 80.4550,  
34.5117

48.8509, 77.9650,  
26.2474

60.2744, 83.4496,  
45.0546

44.6867, 75.9503,  
20.0899

67.6546, 86.9749,  
58.0236

41.4632, 74.3790,  
15.8493

76.2198, 91.0554,  
73.5579

39.1003, 73.2149,  
13.2996

86.0200, 95.7143,  
91.7854

■ 37.4978, 72.4130, 95.0500, 100.0000,  
12.1301 108.9000

■ 37.2759, 72.3015,  
11.9909

# Harmonies

## Analogous

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



67.3762, 80.4550, 22.1286



54.0254, 80.4550, 34.5117



47.2790, 80.4550, 65.0483

# Triad

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



54.0254, 80.4550, 34.5117



68.1254, 80.4550, 225.3695



115.4371, 80.4550, 63.1595

# Complementary

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



54.0254, 80.4550, 34.5117



58.6157, 40.3819, 99.3128

# Split Complementary

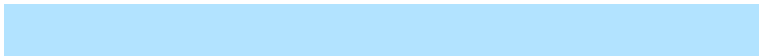
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.7237, 80.4550, 114.8452



54.0254, 80.4550, 34.5117



86.3475, 80.4550, 224.2013

# Square

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



54.0254, 80.4550, 34.5117



54.4984, 80.4550, 180.8872



104.4020, 80.4550, 178.1399



103.6720, 80.4550, 33.6046



# Rectangle

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



54.0254, 80.4550, 34.5117



46.6175, 80.4550, 97.9341



104.4020, 80.4550, 178.1399



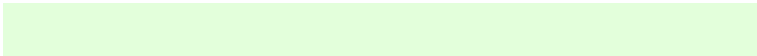
116.9350, 80.4550, 78.0231

# Sweetspot

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



54.0258, 80.4552, 34.5129



80.2157, 92.9561, 80.9396



73.2451, 78.6060, 33.1430



16.7276, 19.6863, 16.5062



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

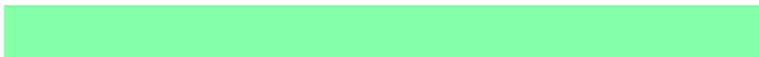
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.0258, 80.4552, 34.5129



48.9602, 78.0178, 26.4160



52.2376, 79.2104, 49.0236



18.1303, 20.3531, 19.1173



19.5770, 37.8304, 6.2702



1.9924, 3.7279, 0.6145



# Inverse Universe

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



58.6157, 40.3819, 99.3128



53.9777, 33.5619, 98.2409



62.4300, 42.9387, 72.8126



18.3947, 18.0952, 22.7732



22.1618, 10.3353, 50.2614

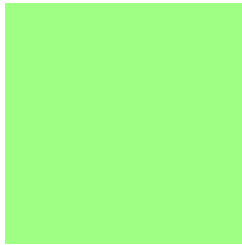


2.2473, 1.0525, 4.8980



# Previews

## White Background



This preview shows how the XYZ color 54.0254, 80.4550, 34.5117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

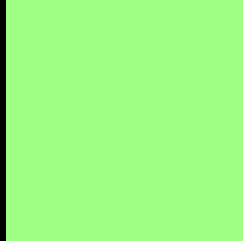
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.0254, 80.4550, 34.5117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

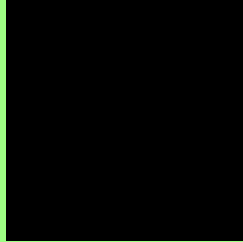
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

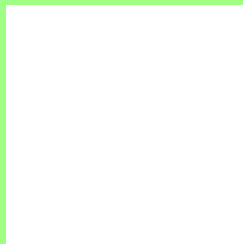
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.0254, 80.4550, 34.5117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.0254, 80.4550, 34.5117.



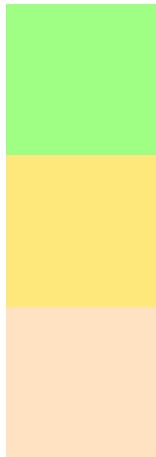
This preview shows how white text looks on a background with the XYZ color 54.0254, 80.4550,



# 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

54.0254, 80.4550, 34.5117

### Protanopia

73.0241, 79.6527, 30.2646

### Deuteranopia

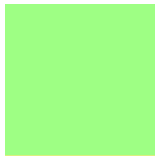
78.1740, 79.5478, 62.2730



## Tritanopia

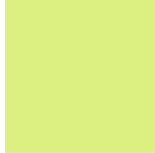
70.4024, 80.0294, 106.3444

# Trichromacy



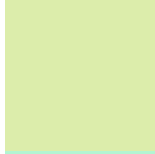
## Original Color

54.0254, 80.4550, 34.5117



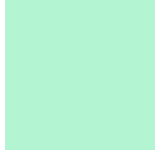
## Protanomaly

64.1394, 78.8866, 31.5848



## Deuteranomaly

67.1501, 78.7243, 50.1842



## Tritanomaly

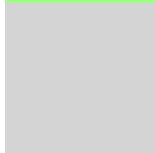
62.8757, 79.5417, 73.0119

# Monochromacy



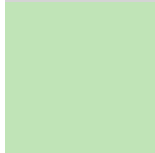
## Original Color

54.0254, 80.4550, 34.5117



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

58.0289, 70.1122, 55.2743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0254, 80.4550, 34.5117 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(158, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 132)  
}
```

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(158, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0254, 80.4550, 34.5117 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(158, 255, 132) }
```



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

```
.border{ border-color:rgb(158, 255, 132) }
```

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

Here you see how a box with a 4 pixel rgb(158, 255, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0254, 80.4550, 34.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 132) }
```

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

```
.background{ background-color: rgb(158,  
255, 132) }
```

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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