

# Converting Colors

XYZ(54.6115, 80.7919, 32.9720)

Have a look what the booklet for  
XYZ(54.6115, 80.7919, 32.9720)  
contains.

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# Color

**XYZ(54.5566, 80.7599,  
33.1349)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | A2FF80                       |
| RGB           | 162, 255, 128                |
| RGB Percent   | 64%, 100%, 50%               |
| CMY           | 0.3647, 0.0000, 0.4980       |
| CMYK          | 0.36, 0.00, 0.50, 0.00       |
| HSL           | 104°, 100%, 75%              |
| HSV           | 104°, 50%, 100%              |
| XYZ           | 54.5566, 80.7599, 33.1349    |
| YIQ           | 212.7150, -14.6610, -59.2130 |

# Conversions

## Conversions Part 2

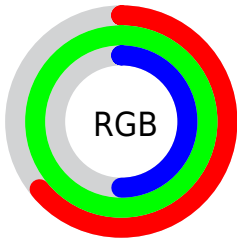
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 128, 255, 221                   |
| Decimal                             | 10682240                        |
| CIELab                              | 92.02, -50.09, 51.72            |
| CIELCh                              | 92, 72.003, 134.081             |
| Yxy                                 | 80.7599, 0.3239,<br>0.4794      |
| Android<br>(android.graphics.Color) | 4288872320<br>(0xFFA2FF80)      |
| YUV                                 | 212.7150, -41.7645,<br>-44.4771 |
| Hunter-Lab                          | 89.8665, -48.9017,<br>41.0456   |

# Details

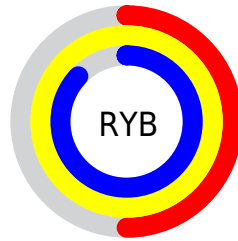
The XYZ color **54.5566, 80.7599, 33.1349** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.5894, 38.0319, 99.0188**, and the grayscale version is **63.3324, 66.6306, 72.5607**.

A 20% lighter version of the original color is **73.8224, 90.1545, 58.3105**, and **27.2898, 43.8994, 13.6917** is the 20% darker color. If you saturate the color by 10%, you get **49.5677, 78.3582, 25.2139**, and if you desaturate by 10%, it is **60.5312, 83.6210, 43.3057**.

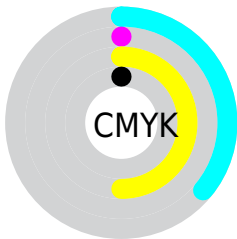
# Distribution



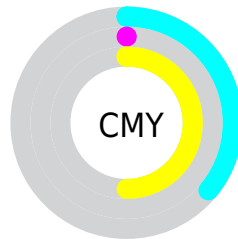
- Red (64%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (87%)



- Cyan (36%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5566, 80.7599, 33.1349 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 54.5566, 80.7599, 33.1349 by changing the saturation by 10% instead.




 54.5566, 80.7599,  
33.1349


 54.5566, 80.7599,  
33.1349


394.3928,  
497.4901, 330.9078


 39.2793, 60.3439,  
21.9578


 96.0431, 134.4336,  
65.7045

 27.1588, 43.6959,  
13.6279


 122.9830,  
168.4600, 87.9342

 17.8297, 30.4315,  
7.7265

 154.5411,  
207.7921, 114.6851

 10.9267, 20.1663,  
3.8352

191.0829,  
252.8141, 146.3758

 6.0845, 12.5160,  
1.5354

232.9735,  
303.9105, 183.4249

 2.9377, 7.0961,  
0.2441

280.5785,

 1.1209, 3.5223,

361.4657, 226.2509

0.0000

334.2631,  
425.8641, 275.2724

0.0425, 1.4101,  
0.0000

0.0000, 0.2242,  
0.0000

54.5566, 80.7599,  
33.1349

54.5566, 80.7599,  
33.1349

49.5677, 78.3582,  
25.2139

60.5312, 83.6210,  
43.3057

45.5066, 76.3898,  
19.3681

67.5426, 86.9646,  
55.8757

42.3101, 74.8264,  
15.4035

75.6395, 90.8126,  
70.9859

39.9056, 73.6356,  
13.0873

84.8668, 95.1855,  
88.7653

■ 38.1910, 72.7729, 95.0500, 100.0000,  
12.0482 108.9000

■ 38.1623, 72.7584,  
12.0324

# Harmonies

## Analogous

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



68.4183, 80.7599, 21.4706



54.5566, 80.7599, 33.1349



47.3557, 80.7599, 62.8226

# Triad

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



54.5566, 80.7599, 33.1349



67.4011, 80.7599, 226.9845



116.7393, 80.7599, 65.3828

# Complementary

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



54.5566, 80.7599, 33.1349



55.5894, 38.0319, 99.0188

# Split Complementary

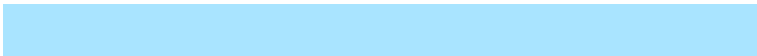
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.3487, 80.7599, 118.9771



54.5566, 80.7599, 33.1349



85.7533, 80.7599, 228.5820

# Square

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



54.5566, 80.7599, 33.1349



53.9156, 80.7599, 179.6719



104.2930, 80.7599, 183.4237



105.2873, 80.7599, 34.3568



# Rectangle

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



54.5566, 80.7599, 33.1349



46.4374, 80.7599, 95.3926



104.2930, 80.7599, 183.4237



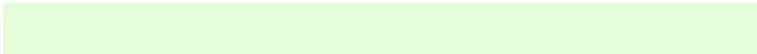
118.0397, 80.7599, 80.8743

# Sweetspot

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



54.5569, 80.7600, 33.1361



79.9271, 92.8459, 79.1837



70.4727, 73.4909, 30.8942



16.6979, 19.6786, 16.1619



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.



54.5569, 80.7600, 33.1361



49.4787, 78.3152, 25.0789



50.6228, 78.4935, 43.7223



18.2276, 20.4033, 19.1219



20.0606, 38.0797, 6.2928



2.0517, 3.7584, 0.6173



# Inverse Universe

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



55.5894, 38.0319, 99.0188



50.5452, 31.0252, 97.9322



62.8917, 42.2721, 77.8684



18.2904, 18.0415, 22.7683



20.2556, 9.3526, 50.1722

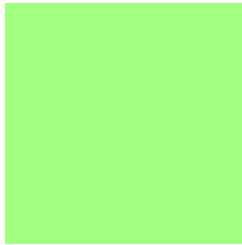


2.0761, 0.9642, 4.8900



# Previews

## White Background



This preview shows how the XYZ color 54.5566, 80.7599, 33.1349 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 54.5566, 80.7599, 33.1349 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

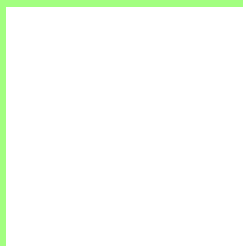
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.5566, 80.7599, 33.1349**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5566, 80.7599, 33.1349.



This preview shows how white text looks on a background with the XYZ color 54.5566, 80.7599,



# 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

54.5566, 80.7599, 33.1349

### Protanopia

73.2061, 79.7679, 29.3077

### Deuteranopia

78.2867, 79.5928, 62.8666



## Tritanopia

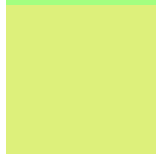
70.9088, 80.2905, 106.3681

# Trichromacy



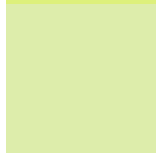
## Original Color

54.5566, 80.7599, 33.1349



## Protanomaly

64.5540, 79.1224, 30.6087



## Deuteranomaly

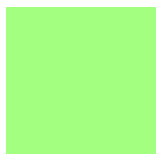
67.4537, 78.8808, 50.1984



## Tritanomaly

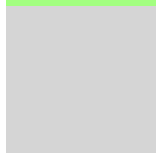
63.4524, 79.8533, 72.3905

# Monochromacy



## Original Color

54.5566, 80.7599, 33.1349



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

58.4350, 70.3335, 54.7518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5566, 80.7599, 33.1349 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(162, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 128)  
}
```

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(162, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5566, 80.7599, 33.1349 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(162, 255, 128) }
```



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

```
.border{ border-color:rgb(162, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5566, 80.7599, 33.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 128) }
```

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

```
.background{ background-color: rgb(162,  
255, 128) }
```

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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