

# Converting Colors

XYZ(53.0539, 81.3177, 33.6516)

Have a look what the booklet for  
XYZ(53.0539, 81.3177, 33.6516)  
contains.

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# Color

**XYZ(52.1169, 79.4945,  
33.3660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95FF81
RGB	149, 255, 129
RGB Percent	58%, 100%, 51%
CMY	0.4157, 0.0000, 0.4941
CMYK	0.42, 0.00, 0.49, 0.00
HSL	110°, 100%, 75%
HSV	110°, 49%, 100%
XYZ	52.1169, 79.4945, 33.3660
YIQ	208.9420, -22.7300, -61.6580

# Conversions

## Conversions Part 2

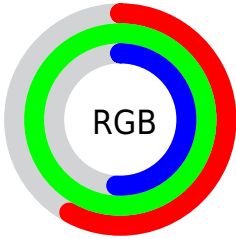
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 255, 235</a>
Decimal	<a href="#">9830273</a>
CIELab	<a href="#">91.46, -53.93, 50.43</a>
CIELCh	<a href="#">91, 73.841, 136.921</a>
Yxy	<a href="#">79.4945, 0.3159, 0.4819</a>
Android (android.graphics.Color)	<a href="#">4288020353 (0xFF95FF81)</a>
YUV	<a href="#">208.9420, -39.4114, -52.5691</a>
Hunter-Lab	<a href="#">89.1597, -51.6901, 40.2238</a>

# Details

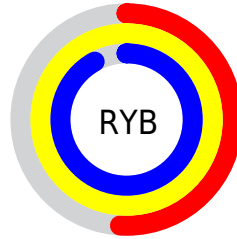
The XYZ color **52.1169, 79.4945, 33.3660** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.1625, 40.5840, 99.2703**, and the grayscale version is **60.8260, 63.9937, 69.6891**.

A 20% lighter version of the original color is **70.4242, 88.3906, 58.6967**, and **25.4872, 42.6280, 13.7222** is the 20% darker color. If you saturate the color by 10%, you get **47.0678, 77.0636, 25.3589**, and if you desaturate by 10%, it is **58.3106, 82.4666, 43.6365**.

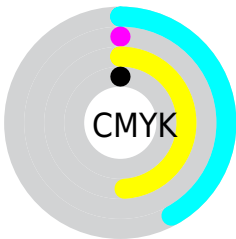
# Distribution



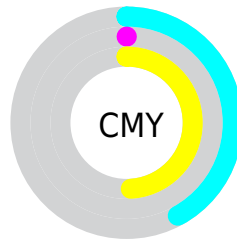
- Red (58%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1169, 79.4945, 33.3660 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 52.1169, 79.4945, 33.3660 by changing the saturation by 10% instead.





 52.1169, 79.4945,  
33.3660


 52.1169, 79.4945,  
33.3660


385.2043,  
493.2276, 331.9782


 37.3229, 59.3025,  
22.1336


 92.4768, 132.6548,  
66.0691

 25.6324, 42.8567,  
13.7558


 118.7735,  
166.3918, 88.3769

 16.6801, 29.7727,  
7.8142


 149.6350,  
205.4127, 115.2135

 10.1006, 19.6661,  
3.8902

185.4269,  
250.1017, 146.9975

 5.5285, 12.1526,  
1.5653

226.5144,  
300.8433, 184.1474

 2.5984, 6.8477,  
0.2659

273.2629,

 0.9452, 3.3670,

358.0219, 227.0818

0.0000

326.0377,  
422.0219, 276.2192

0.0000, 1.3262,  
0.0000

0.0000, 0.1614,  
0.0000

52.1169, 79.4945,  
33.3660

52.1169, 79.4945,  
33.3660

47.0678, 77.0636,  
25.3589

58.3106, 82.4666,  
43.6365

43.0905, 75.1401,  
19.4408

65.7131, 86.0097,  
56.3200

40.1052, 73.6871,  
15.4179

74.3852, 90.1521,  
71.5573

38.0199, 72.6622,  
13.0585

84.3832, 94.9199,  
89.4778

■ 36.7124, 72.0100, 95.0500, 100.0000,  
12.0076 108.9000

■ 36.6535, 71.9806,  
11.9618

# Harmonies

## Analogous

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



65.5201, 79.4945, 20.4992



52.1169, 79.4945, 33.3660



45.5412, 79.4945, 65.1848

# Triad

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



52.1169, 79.4945, 33.3660



67.6710, 79.4945, 231.5623



115.6701, 79.4945, 59.7936

# Complementary

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



52.1169, 79.4945, 33.3660



60.1625, 40.5840, 99.2703

# Split Complementary

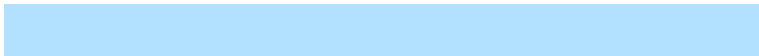
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.5049, 79.4945, 112.1518



52.1169, 79.4945, 33.3660



86.5702, 79.4945, 228.1191

# Square

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



52.1169, 79.4945, 33.3660



53.4656, 79.4945, 186.2882



105.1443, 79.4945, 178.2297



103.0236, 79.4945, 30.8345



# Rectangle

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



52.1169, 79.4945, 33.3660



45.0618, 79.4945, 99.6350



105.1443, 79.4945, 178.2297



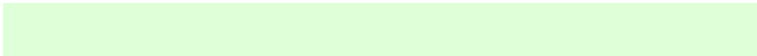
117.4070, 79.4945, 74.6748

# Sweetspot

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



52.1173, 79.4947, 33.3672



78.6281, 92.1763, 79.1229



74.6257, 81.6910, 32.6048



16.3886, 19.5191, 16.1475



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

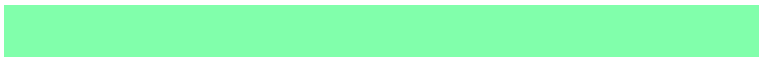
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1173, 79.4947, 33.3672



47.2534, 77.1532, 25.6452



52.1647, 79.1278, 51.0531



18.0400, 20.3065, 19.1131



19.2312, 37.6521, 6.2540



1.9460, 3.7039, 0.6124



# Inverse Universe

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



60.1625, 40.5840, 99.2703



56.0501, 34.2409, 98.2627



61.1011, 41.7656, 67.7927



18.4929, 18.1458, 22.7778



24.1085, 11.3389, 50.3525

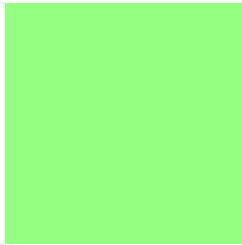


2.4200, 1.1414, 4.9060



# Previews

## White Background



This preview shows how the XYZ color 52.1169, 79.4945, 33.3660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

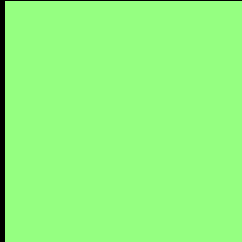
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1169, 79.4945, 33.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

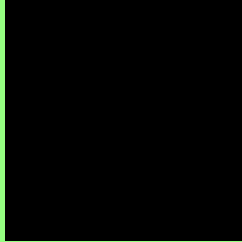
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

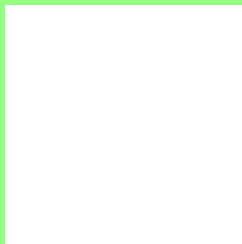
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.1169, 79.4945, 33.3660**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1169, 79.4945, 33.3660.



This preview shows how white text looks on a background with the XYZ color 52.1169, 79.4945,



# 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

52.1169, 79.4945, 33.3660

### Protanopia

71.9175, 78.2773, 29.0879

### Deuteranopia

77.1899, 78.2890, 59.7581



## Tritanopia

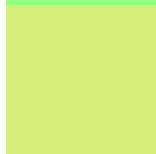
68.6837, 79.1434, 106.2639

# Trichromacy



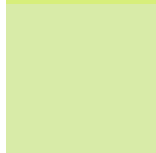
## Original Color

52.1169, 79.4945, 33.3660



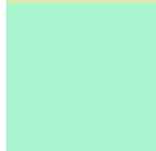
## Protanomaly

62.1740, 77.0262, 30.3295



## Deuteranomaly

65.0951, 76.8427, 48.4470



## Tritanomaly

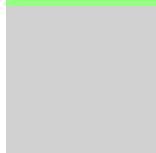
60.9556, 78.5662, 72.2737

# Monochromacy



## Original Color

52.1169, 79.4945, 33.3660



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

55.9281, 68.2528, 53.4064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1169, 79.4945, 33.3660 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(149, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 129)  
}
```

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(149, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1169, 79.4945, 33.3660 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(149, 255, 129) }
```



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

```
.border{ border-color:rgb(149, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1169, 79.4945, 33.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 129) }
```

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

```
.background{ background-color: rgb(149,  
255, 129) }
```

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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