

Converting Colors

XYZ(58.8706, 90.3438, 51.8203)

Have a look what the booklet for
XYZ(58.8706, 90.3438, 51.8203)
contains.

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Color

**XYZ(53.7366, 79.9600,
50.1377)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFFA9
RGB	140, 255, 169
RGB Percent	55%, 100%, 66%
CMY	0.4510, 0.0000, 0.3372
CMYK	0.45, 0.00, 0.34, 0.00
HSL	135°, 100%, 77%
HSV	135°, 45%, 100%
XYZ	53.7366, 79.9600, 50.1377
YIQ	210.8110, -40.9340, -51.1260

Conversions

Conversions Part 2

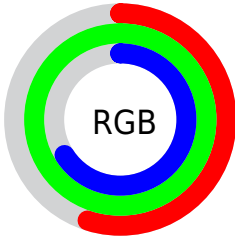
Format	Color
RYB	140, 232, 255
Decimal	9240489
CIELab	91.67, -50.64, 31.19
CIElCh	92, 59.475, 148.370
Yxy	79.9600, 0.2923, 0.4350
Android (android.graphics.Color)	4287430569 (0xFF8CFFA9)
YUV	210.8110, -20.6128, -62.1012
Hunter-Lab	89.4204, -49.2172, 29.3505

Details

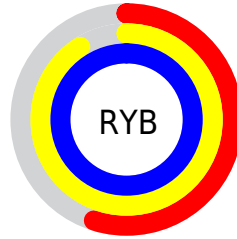
The XYZ color **53.7366, 79.9600, 50.1377** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.3456, 45.5075, 77.3432**, and the grayscale version is **61.9430, 65.1689, 70.9689**.

A 20% lighter version of the original color is **72.6393, 88.9620, 84.5771**, and **26.5120, 42.9428, 23.4145** is the 20% darker color. If you saturate the color by 10%, you get **48.2645, 77.3310, 41.2086**, and if you desaturate by 10%, it is **60.4664, 83.2071, 60.4912**.

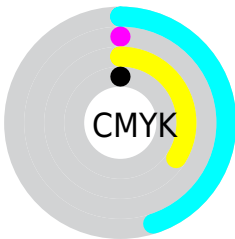
Distribution



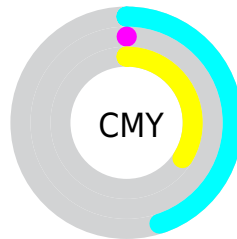
- Red (55%)
- Green (100%)
- Blue (66%)



- Red (55%)
- Yellow (91%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7366, 79.9600, 50.1377 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 53.7366, 79.9600, 50.1377 by changing the saturation by 10% instead.

 53.7366, 79.9600,
50.1377


 53.7366, 79.9600,
50.1377


391.3196,
494.7980, 403.9547

 38.6209, 59.6854,
35.1509


 94.8466, 133.3095,
91.7773

 26.6444, 43.1651,
23.4946


 121.5716,
167.1532, 119.2671

 17.4415, 30.0147,
14.7504


152.8971,
206.2888, 151.7617

 10.6470, 19.8498,
8.4998

189.1884,
251.1006, 189.6795

 5.8956, 12.2859,
4.3240

230.8110,
301.9730, 233.4392

 2.8217, 6.9387,
1.8047

278.1302,

 1.0602, 3.4238,

359.2905, 283.4593

0.4311

331.5112,
423.4373, 340.1583

0.0000, 1.3568,
0.0000

0.0000, 0.1845,
0.0000

53.7366, 79.9600,
50.1377

53.7366, 79.9600,
50.1377

48.2645, 77.3310,
41.2086

60.4664, 83.2071,
60.4912

43.9675, 75.2789,
33.6374

68.5260, 87.1084,
72.3238

40.7553, 73.7586,
27.3582

77.9836, 91.6980,
85.6922

38.5230, 72.7176,
22.2978

88.9026, 97.0072,
100.6487

■ 37.1432, 72.0916, 95.0500, 100.0000,
18.3755 108.9000

■ 36.6942, 71.8937,
16.8394

Harmonies

Analogous

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



62.9439, 79.9600, 32.2378



53.7366, 79.9600, 50.1377



50.3737, 79.9600, 84.7038

Triad

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



53.7366, 79.9600, 50.1377



75.1714, 79.9600, 200.3610



104.7180, 79.9600, 53.0464

Complementary

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



53.7366, 79.9600, 50.1377



64.3456, 45.5075, 77.3432

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.



109.1087, 79.9600, 89.4653



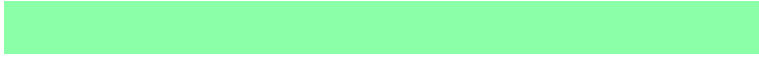
53.7366, 79.9600, 50.1377



90.7462, 79.9600, 183.4036

Square

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



53.7366, 79.9600, 50.1377



61.6827, 79.9600, 179.5192



103.6921, 79.9600, 138.7359



92.3763, 79.9600, 33.4810

Rectangle

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



53.7366, 79.9600, 50.1377



51.5050, 79.9600, 116.1878



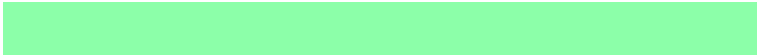
103.6921, 79.9600, 138.7359



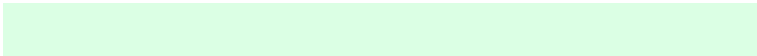
107.2397, 79.9600, 63.2636

Sweetspot

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



53.7371, 79.9602, 50.1390



79.1095, 92.2449, 87.2551



71.9363, 89.6227, 38.3190



16.4625, 19.5158, 18.0224



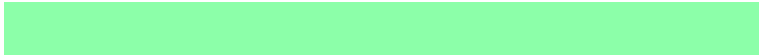
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



53.7371, 79.9602, 50.1390



48.8061, 77.5906, 42.1211



60.3373, 82.6003, 84.8951



17.9595, 20.2433, 20.0895



19.2236, 37.5861, 9.0630



1.9134, 3.6763, 1.1020

Inverse Universe

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



64.3456, 45.5075, 77.3432



60.5909, 39.2344, 72.2800



57.7564, 42.8718, 42.6447



18.5854, 18.2175, 21.7001



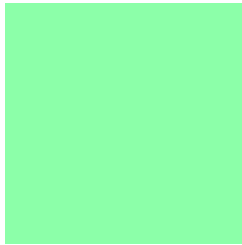
26.5082, 13.0926, 27.1243



2.6249, 1.2923, 2.8722

Previews

White Background



This preview shows how the XYZ color 53.7366, 79.9600, 50.1377 looks on a white background.

Color Contrast Check

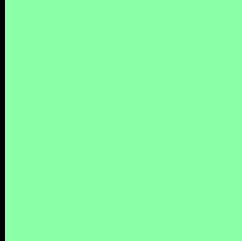
Large Text (above 18pt) WCAG AA × Fail

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 53.7366, 79.9600, 50.1377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

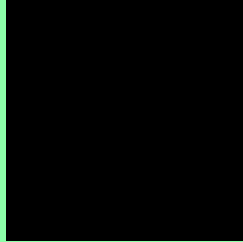
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.7366, 79.9600, 50.1377

Background



This preview shows how black text looks on a background with the XYZ color 53.7366, 79.9600, 50.1377.

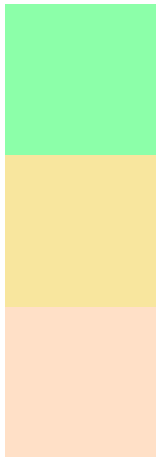


This preview shows how white text looks on a background with the XYZ color 53.7366, 79.9600,

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

53.7366, 79.9600, 50.1377

Protanopia

73.1798, 79.0187, 43.7429

Deuteranopia

78.2045, 78.6948, 65.1006



Tritanopia

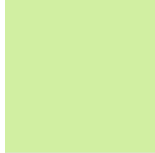
68.5015, 79.4853, 106.3395

Trichromacy



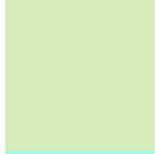
Original Color

53.7366, 79.9600, 50.1377



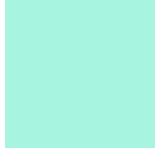
Protanomaly

63.6826, 77.8969, 45.8616



Deuteranomaly

66.2260, 77.1936, 58.9863



Tritanomaly

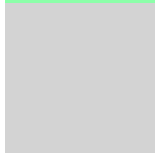
62.0433, 78.9021, 82.4806

Monochromacy



Original Color

53.7366, 79.9600, 50.1377



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.4405, 69.2380, 62.5614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7366, 79.9600, 50.1377 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(140, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 169)  
}
```

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(140, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 53.7366, 79.9600, 50.1377 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(140, 255, 169) }
```


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

```
.border{ border-color:rgb(140, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7366, 79.9600, 50.1377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 169) }
```

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

```
.background{ background-color: rgb(140,  
255, 169) }
```

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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