

Converting Colors

XYZ(53.4161, 79.8911, 45.7724)

Have a look what the booklet for
XYZ(53.4161, 79.8911, 45.7724)
contains.

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Color

**XYZ(53.4329, 79.8977,
45.8633)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFFA0
RGB	143, 255, 160
RGB Percent	56%, 100%, 63%
CMY	0.4392, 0.0000, 0.3725
CMYK	0.44, 0.00, 0.37, 0.00
HSL	129°, 100%, 78%
HSV	129°, 44%, 100%
XYZ	53.4329, 79.8977, 45.8633
YIQ	210.6820, -36.2570, -53.2890

Conversions

Conversions Part 2

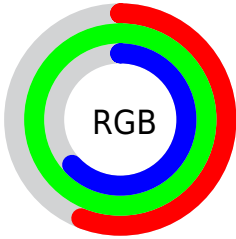
Format	Color
RYB	143, 240, 255
Decimal	9437088
CIELab	91.64, -51.30, 35.66
CIELCh	92, 62.478, 145.194
Yxy	79.8977, 0.2982, 0.4459
Android (android.graphics.Color)	4287627168 (0xFF8FFFA0)
YUV	210.6820, -24.9862, -59.3571
Hunter-Lab	89.3855, -49.7209, 32.1484

Details

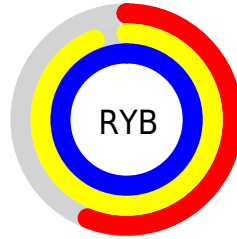
The XYZ color **53.4329, 79.8977, 45.8633** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.4952, 47.0784, 86.4705**, and the grayscale version is **61.8836, 65.1064, 70.9009**.

A 20% lighter version of the original color is **72.1131, 88.8438, 77.6378**, and **26.3664, 42.9253, 20.8057** is the 20% darker color. If you saturate the color by 10%, you get **47.7783, 77.1826, 36.5664**, and if you desaturate by 10%, it is **60.4210, 83.2622, 56.9435**.

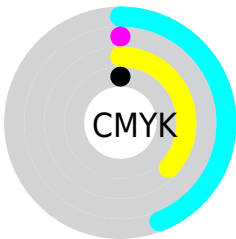
Distribution



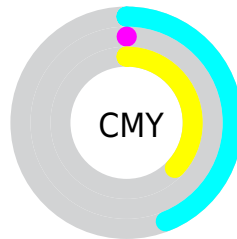
- Red (56%)
- Green (100%)
- Blue (63%)



- Red (56%)
- Yellow (94%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4329, 79.8977, 45.8633 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 53.4329, 79.8977, 45.8633 by changing the saturation by 10% instead.

 53.4329, 79.8977,
45.8633


 53.4329, 79.8977,
45.8633


390.1775,
494.5880, 386.5204

 38.3773, 59.6342,
31.7901


 94.4029, 133.2219,
85.3465

 26.4542, 43.1238,
20.9377


 121.0479,
167.0514, 111.5936

 17.2982, 29.9823,
12.8877


152.2869,
206.1716, 142.7357

 10.5440, 19.8251,
7.2214

188.4851,
250.9670, 179.1913

 5.8261, 12.2680,
3.5204

230.0079,
301.8219, 221.3791

 2.7793, 6.9265,
1.3661

277.2207,

 1.0381, 3.4162,

359.1208, 269.7175

0.1151

330.4888,
423.2480, 324.6251

0.0000, 1.3527,
0.0000

0.0000, 0.1814,
0.0000

53.4329, 79.8977,
45.8633

53.4329, 79.8977,
45.8633

47.7783, 77.1826,
36.5664

60.4210, 83.2622,
56.9435

43.3697, 75.0738,
28.9558

68.8192, 87.3138,
69.8893

40.1115, 73.5241,
22.9314

78.7003, 92.0883,
84.7826

37.8933, 72.4790,
18.3808

90.1312, 97.6186,
101.6992

■ 36.5819, 71.8725, 95.0500, 100.0000,
15.1766 108.9000

■ 36.1214, 71.6646,
13.8231

Harmonies

Analogous

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



63.6152, 79.8977, 29.2511



53.4329, 79.8977, 45.8633



49.2882, 79.8977, 79.8393

Triad

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



53.4329, 79.8977, 45.8633



73.3989, 79.8977, 207.2041



107.2209, 79.8977, 54.6976

Complementary

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



53.4329, 79.8977, 45.8633



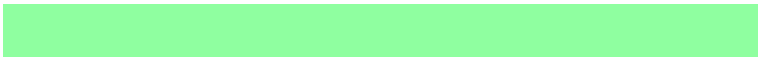
66.4952, 47.0784, 86.4705

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.



110.7971, 79.8977, 94.5660



53.4329, 79.8977, 45.8633



89.7628, 79.8977, 193.1775

Square

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



53.4329, 79.8977, 45.8633



59.7404, 79.8977, 180.9168



104.0183, 79.8977, 147.4013



94.8324, 79.8977, 32.9570

Rectangle

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



53.4329, 79.8977, 45.8633



50.0147, 79.8977, 112.1140



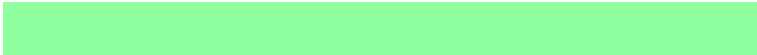
104.0183, 79.8977, 147.4013



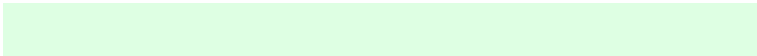
109.5610, 79.8977, 65.9396

Sweetspot

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



53.4334, 79.8980, 45.8646



79.6871, 92.5655, 86.2547



76.0452, 91.7151, 39.6821



16.5547, 19.5703, 17.7130



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.



53.4334, 79.8980, 45.8646



48.2456, 77.4066, 37.3506



59.4569, 82.3074, 77.5839



17.8839, 20.2131, 19.6917



18.9075, 37.4596, 7.3983



1.8723, 3.6599, 0.8856

Inverse Universe

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



66.4952, 47.0784, 86.4705



62.8595, 40.6253, 82.7359



59.5270, 44.2912, 49.7767



18.6672, 18.2502, 22.1304



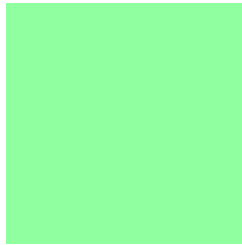
28.0899, 13.7252, 35.4532



2.7657, 1.3487, 3.6136

Previews

White Background



This preview shows how the XYZ color 53.4329, 79.8977, 45.8633 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 53.4329, 79.8977, 45.8633 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

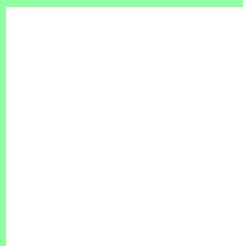
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4329, 79.8977, 45.8633

Background



This preview shows how black text looks on a background with the XYZ color 53.4329, 79.8977, 45.8633.



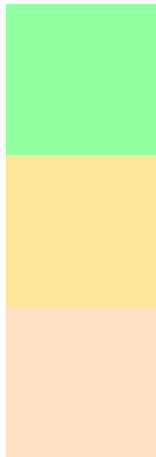
This preview shows how white text looks on a background with the XYZ color 53.4329, 79.8977,

45.8633.

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

53.4329, 79.8977, 45.8633

Protanopia

72.8688, 78.9354, 40.2496

Deuteranopia

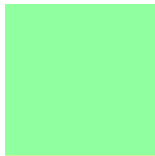
77.9737, 78.6025, 63.8855



Tritanopia

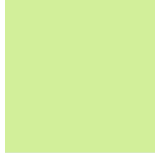
68.7385, 79.6075, 106.3506

Trichromacy



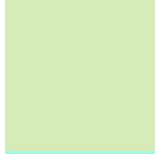
Original Color

53.4329, 79.8977, 45.8633



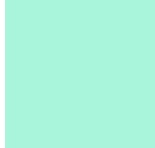
Protanomaly

63.2776, 77.7677, 42.2474



Deuteranomaly

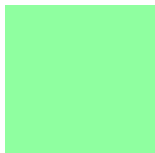
66.0916, 77.1735, 56.7600



Tritanomaly

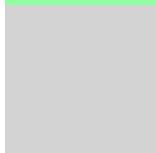
61.7191, 78.7970, 79.6665

Monochromacy



Original Color

53.4329, 79.8977, 45.8633



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.2332, 69.1830, 60.2063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4329, 79.8977, 45.8633 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(143, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 160)  
}
```

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(143, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 53.4329, 79.8977, 45.8633 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(143, 255, 160) }
```


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

```
.border{ border-color:rgb(143, 255, 160) }
```

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

Here you see how a box with a 4 pixel rgb(143, 255, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4329, 79.8977, 45.8633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 160) }
```

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

```
.background{ background-color: rgb(143,  
255, 160) }
```

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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