

Converting Colors

XYZ(63.3837, 100.0000,
47.3197)

Have a look what the booklet for
XYZ(63.3837, 100.0000, 47.3197)
contains.

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Color

**XYZ(53.2623, 79.8496,
44.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	90FF9C
RGB	144, 255, 156
RGB Percent	56%, 100%, 61%
CMY	0.4353, 0.0000, 0.3882
CMYK	0.44, 0.00, 0.39, 0.00
HSL	126°, 100%, 78%
HSV	126°, 44%, 100%
XYZ	53.2623, 79.8496, 44.0578
YIQ	210.5250, -34.3770, -54.3210

Conversions

Conversions Part 2

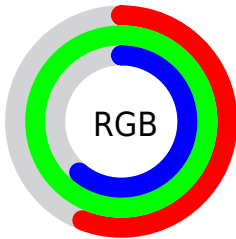
Format	Color
RYB	144, 244, 255
Decimal	9502620
CIELab	91.62, -51.65, 37.62
CIElCh	92, 63.895, 143.931
Yxy	79.8496, 0.3006, 0.4507
Android (android.graphics.Color)	4287692700 (0xFF90FF9C)
YUV	210.5250, -26.8808, -58.3424
Hunter-Lab	89.3586, -49.9824, 33.3184

Details

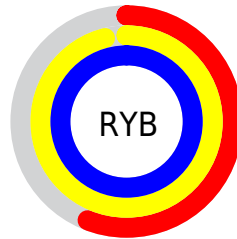
The XYZ color **53.2623, 79.8496, 44.0578** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.3907, 47.6777, 90.4433**, and the grayscale version is **61.7911, 65.0090, 70.7948**.

A 20% lighter version of the original color is **71.8750, 88.7797, 74.9760**, and **26.2522, 42.8902, 19.7270** is the 20% darker color. If you saturate the color by 10%, you get **47.5511, 77.1074, 34.6616**, and if you desaturate by 10%, it is **60.3408, 83.2549, 55.4026**.

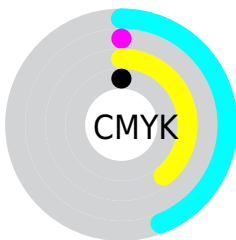
Distribution



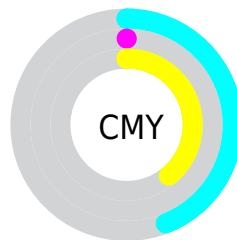
- Red (56%)
- Green (100%)
- Blue (61%)



- Red (56%)
- Yellow (96%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2623, 79.8496, 44.0578 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 53.2623, 79.8496, 44.0578 by changing the saturation by 10% instead.


 53.2623, 79.8496,
44.0578


 53.2623, 79.8496,
44.0578

389.5351,
494.4258, 378.9923

 38.2405, 59.5946,
30.3784


 94.1535, 133.1543,
82.6081

 26.3475, 43.0920,
19.8715


 120.7536,
166.9727, 108.3161

 17.2178, 29.9573,
12.1185


151.9439,
206.0811, 138.8708

 10.4862, 19.8062,
6.7009

188.0897,
250.8638, 174.6906

 5.7872, 12.2542,
3.2002

229.5563,
301.7052, 216.1941

 2.7555, 6.9171,
1.1977


276.7092,


 1.0258, 3.4103,


358.9898, 263.7999


0.0000


329.9137,
423.1019, 317.9265


 0.0000, 1.3495,
0.0000


 0.0000, 0.1790,
0.0000


 53.2623, 79.8496,
44.0578


 53.2623, 79.8496,
44.0578


 47.5511, 77.1074,
34.6616

 60.3408, 83.2549,
55.4026


 43.1170, 74.9843,
27.1009

 68.8661, 87.3623,
68.7930

 39.8614, 73.4319,
21.2565

 78.9130, 92.2083,
84.3243

 37.6699, 72.3943,
16.9939

 90.5508, 97.8268,
102.0845

■ 36.4055, 71.8039, 95.0500, 100.0000,
14.1585 108.9000

■ 35.9645, 71.6018,
12.9970

Harmonies

Analogous

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



63.8708, 79.8496, 27.9748



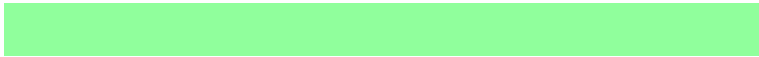
53.2623, 79.8496, 44.0578



48.7850, 79.8496, 77.7875

Triad

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



53.2623, 79.8496, 44.0578



72.6267, 79.8496, 210.3324



108.3213, 79.8496, 55.3617

Complementary

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



53.2623, 79.8496, 44.0578



67.3907, 47.6777, 90.4433

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.



111.5475, 79.8496, 96.7893



53.2623, 79.8496, 44.0578



89.3400, 79.8496, 197.5918

Square

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



53.2623, 79.8496, 44.0578



58.8868, 79.8496, 181.6264



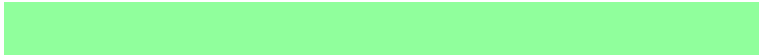
104.1719, 79.8496, 151.2707



95.8974, 79.8496, 32.6752

Rectangle

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



53.2623, 79.8496, 44.0578



49.3433, 79.8496, 110.4084



104.1719, 79.8496, 151.2707



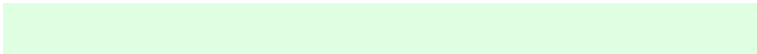
110.5851, 79.8496, 67.0622

Sweetspot

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



53.2627, 79.8498, 44.0591



79.4882, 92.4859, 85.2074



78.0677, 92.7489, 40.1736



16.5064, 19.5509, 17.4582



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.



53.2627, 79.8498, 44.0591



48.3394, 77.4855, 35.9768



58.9696, 82.1325, 74.1108



17.8514, 20.2001, 19.5204



18.8178, 37.4237, 6.9257



1.8571, 3.6538, 0.8053

Inverse Universe

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



67.3907, 47.6777, 90.4433



64.0755, 41.6082, 87.6090



60.3337, 44.8549, 53.2816



18.7031, 18.2645, 22.3194



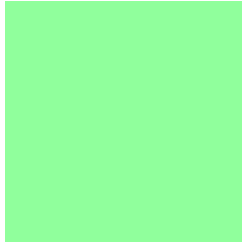
28.8586, 14.0327, 39.5015



2.8331, 1.3756, 3.9684

Previews

White Background



This preview shows how the XYZ color 53.2623, 79.8496, 44.0578 looks on a white background.

Color Contrast Check

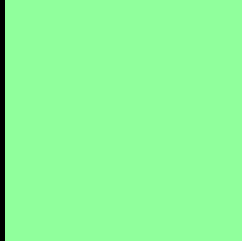
Large Text (above 18pt) WCAG AA × Fail

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 53.2623, 79.8496, 44.0578 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 53.2623, 79.8496, 44.0578

Background



This preview shows how black text looks on a background with the XYZ color 53.2623, 79.8496, 44.0578.

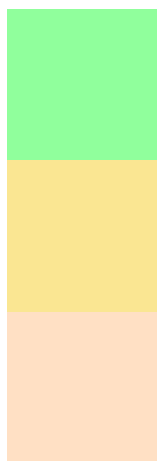


This preview shows how white text looks on a background with the XYZ color 53.2623, 79.8496,

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

53.2623, 79.8496, 44.0578

Protanopia

72.9095, 78.9929, 38.5986

Deuteranopia

77.8595, 78.5568, 63.2839



Tritanopia

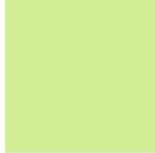
68.7385, 79.6075, 106.3506

Trichromacy



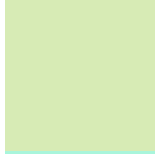
Original Color

53.2623, 79.8496, 44.0578



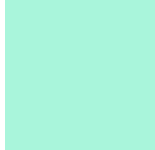
Protanomaly

63.2355, 77.7839, 40.5351



Deuteranomaly

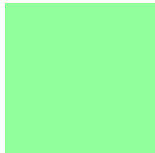
66.0732, 77.1999, 55.1347



Tritanomaly

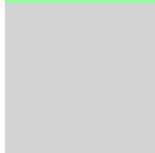
61.8008, 78.8543, 78.9810

Monochromacy



Original Color

53.2623, 79.8496, 44.0578



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.3666, 69.2646, 59.6361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2623, 79.8496, 44.0578 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(144, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 156)  
}
```

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(144, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 156) }
```

Border

The CSS property to change the border of an element to XYZ 53.2623, 79.8496, 44.0578 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(144, 255, 156) }
```


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

```
.border{ border-color:rgb(144, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2623, 79.8496, 44.0578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 156) }
```

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

```
.background{ background-color: rgb(144,  
255, 156) }
```

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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