

Converting Colors

XYZ(65.8266, 100.0000,
58.3639)

Have a look what the booklet for
XYZ(65.8266, 100.0000, 58.3639)
contains.

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Color

**XYZ(56.4744, 81.2587,
55.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFB3
RGB	150, 255, 179
RGB Percent	59%, 100%, 70%
CMY	0.4118, 0.0000, 0.2980
CMYK	0.41, 0.00, 0.30, 0.00
HSL	137°, 100%, 79%
HSV	137°, 41%, 100%
XYZ	56.4744, 81.2587, 55.3558
YIQ	214.9410, -38.1840, -45.8960

Conversions

Conversions Part 2

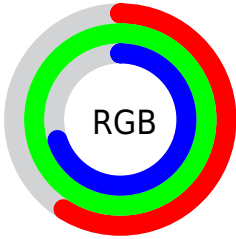
Format	Color
RYB	150, 232, 255
Decimal	9895859
CIELab	92.25, -46.23, 27.01
CIELCh	92, 53.545, 149.708
Yxy	81.2587, 0.2925, 0.4208
Android (android.graphics.Color)	4288085939 (0xFF96FFB3)
YUV	214.9410, -17.7189, -56.9533
Hunter-Lab	90.1436, -45.9222, 26.6915

Details

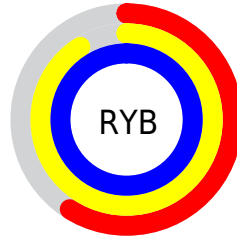
The XYZ color **56.4744, 81.2587, 55.3558** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.8741, 48.5643, 77.8532**, and the grayscale version is **64.6859, 68.0546, 74.1115**.

A 20% lighter version of the original color is **76.7678, 90.9281, 92.1020**, and **28.4742, 44.2217, 26.7736** is the 20% darker color. If you saturate the color by 10%, you get **50.5379, 78.3998, 45.9775**, and if you desaturate by 10%, it is **63.6829, 84.7445, 66.1006**.

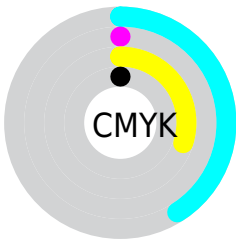
Distribution



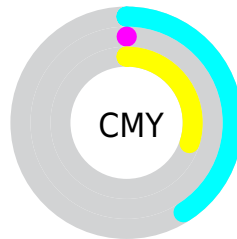
- Red (59%)
- Green (100%)
- Blue (70%)



- Red (59%)
- Yellow (91%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4744, 81.2587, 55.3558 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 56.4744, 81.2587, 55.3558 by changing the saturation by 10% instead.


 56.4744, 81.2587,
55.3558


 56.4744, 81.2587,
55.3558


401.5230,
499.1647, 424.5791

 40.8219, 60.7547,
39.2861

 98.8337, 135.1340,
99.5384

 28.3670, 44.0272,
26.6729


 126.2711,
169.2740, 128.4885

 18.7444, 30.6919,
17.0974


158.3676,
208.7281, 162.5691

 11.5886, 20.3644,
10.1413

195.4885,
253.8808, 202.1988

 6.5344, 12.6602,
5.3859

237.9991,
305.1164, 247.7961

 3.2164, 7.1950,
2.4127


286.2648,


 1.2692, 3.5843,


362.8193, 299.7795


0.7934


340.6510,
427.3740, 358.5677


 0.1600, 1.4439,
0.0000


 0.0000, 0.2487,
0.0000


 56.4744, 81.2587,
55.3558


 56.4744, 81.2587,
55.3558


 50.5379, 78.3998,
45.9775


 63.6829, 84.7445,
66.1006


 45.7950, 76.1284,
37.9067

 72.2318, 88.8913,
78.2597

 42.1607, 74.4021,
31.0858

 82.1867, 93.7320,
91.8837

 39.5378, 73.1719,
25.4515

 93.6082, 99.2969,
107.0192

■ 37.8108, 72.3798, 95.0500, 100.0000,
20.9344 108.9000

■ 36.8791, 71.9677,
17.8133

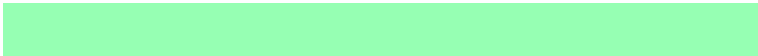
Harmonies

Analogous

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



64.7918, 81.2587, 37.4473



56.4744, 81.2587, 55.3558



53.5790, 81.2587, 88.0891

Triad

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



56.4744, 81.2587, 55.3558



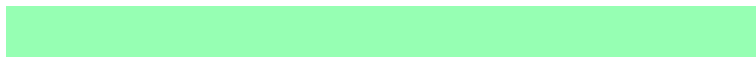
77.0984, 81.2587, 188.5641



102.7076, 81.2587, 55.8494

Complementary

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



56.4744, 81.2587, 55.3558



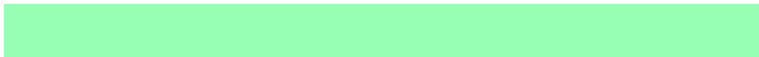
65.8741, 48.5643, 77.8532

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.



106.9917, 81.2587, 88.8659



56.4744, 81.2587, 55.3558



91.1750, 81.2587, 172.4707

Square

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



56.4744, 81.2587, 55.3558



64.5831, 81.2587, 171.8653



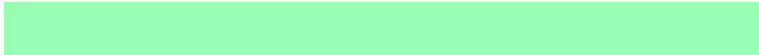
102.5437, 81.2587, 132.7155



91.4376, 81.2587, 37.6667

Rectangle

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



56.4744, 81.2587, 55.3558



54.8085, 81.2587, 116.7217



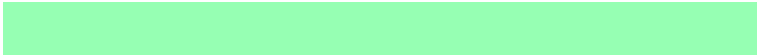
102.5437, 81.2587, 132.7155



105.0682, 81.2587, 65.2012

Sweetspot

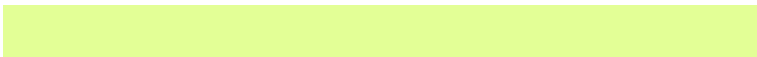
The Sweet Spot groups the original color and five complimentary colors.



56.4750, 81.2590, 55.3571



81.3114, 93.3060, 90.7041



72.9439, 90.0531, 42.3925



17.1115, 19.8290, 19.0188



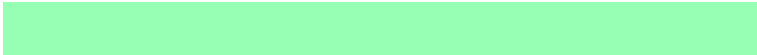
0.0000, 0.0000, 0.0000



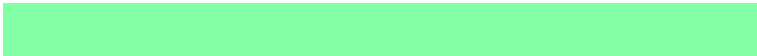
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4750, 81.2590, 55.3571



51.7252, 78.9704, 47.9048



62.6914, 83.7456, 88.0923



17.9777, 20.2506, 20.1855



19.3239, 37.6262, 9.5910



1.9253, 3.6811, 1.1646

Inverse Universe

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



65.8741, 48.5643, 77.8532



62.2124, 42.4318, 72.9614



59.8357, 46.1490, 46.0552



18.5660, 18.2097, 21.5979



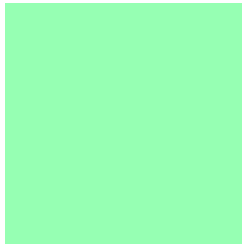
26.1672, 12.9562, 25.3288



2.5941, 1.2800, 2.7098

Previews

White Background



This preview shows how the XYZ color 56.4744, 81.2587, 55.3558 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 56.4744, 81.2587, 55.3558 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 56.4744, 81.2587, 55.3558

Background



This preview shows how black text looks on a background with the XYZ color 56.4744, 81.2587, 55.3558.



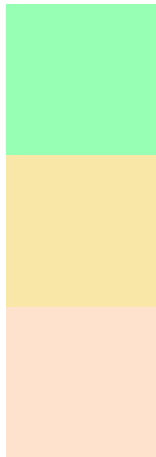
This preview shows how white text looks on a background with the XYZ color 56.4744, 81.2587,

55.3558.

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

56.4744, 81.2587, 55.3558

Protanopia

74.7107, 80.1187, 48.5726

Deuteranopia

79.5769, 80.1089, 69.6609



Tritanopia

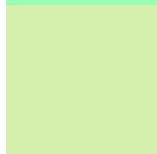
70.4916, 80.9494, 106.5172

Trichromacy



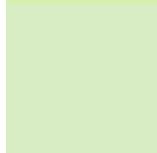
Original Color

56.4744, 81.2587, 55.3558



Protanomaly

66.0471, 79.4449, 50.8831



Deuteranomaly

68.8633, 79.3056, 63.9026



Tritanomaly

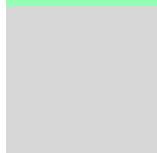
64.5001, 80.5715, 84.8254

Monochromacy



Original Color

56.4744, 81.2587, 55.3558



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.4433, 71.9343, 66.5761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4744, 81.2587, 55.3558 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(150, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 179)  
}
```

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(150, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 56.4744, 81.2587, 55.3558 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(150, 255, 179) }
```


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

```
.border{ border-color:rgb(150, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4744, 81.2587, 55.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 179) }
```

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

```
.background{ background-color: rgb(150,  
255, 179) }
```

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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