

Converting Colors

XYZ(56.9498, 81.6022, 50.9327)

Have a look what the booklet for
XYZ(56.9498, 81.6022, 50.9327)
contains.

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Color

**XYZ(56.9203, 81.5904,
50.7787)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFFAA
RGB	157, 255, 170
RGB Percent	62%, 100%, 67%
CMY	0.3843, 0.0000, 0.3333
CMYK	0.38, 0.00, 0.33, 0.00
HSL	128°, 100%, 81%
HSV	128°, 38%, 100%
XYZ	56.9203, 81.5904, 50.7787
YIQ	216.0080, -31.1230, -47.2110

Conversions

Conversions Part 2

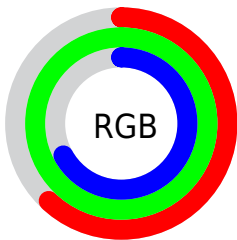
Format	Color
RYB	157, 244, 255
Decimal	10354602
CIELab	92.39, -45.76, 31.79
CIELCh	92, 55.722, 145.216
Yxy	81.5904, 0.3007, 0.4310
Android (android.graphics.Color)	4288544682 (0xFF9DFFAA)
YUV	216.0080, -22.6819, -51.7500
Hunter-Lab	90.3274, -45.5902, 29.8986

Details

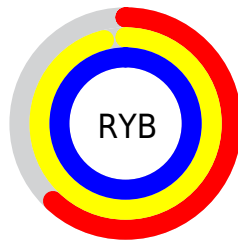
The XYZ color **56.9203, 81.5904, 50.7787** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.3240, 51.7850, 90.3450**, and the grayscale version is **65.4402, 68.8482, 74.9757**.

A 20% lighter version of the original color is **77.5118, 91.4581, 85.5194**, and **28.7718, 44.4392, 23.8908** is the 20% darker color. If you saturate the color by 10%, you get **50.5341, 78.5199, 40.4619**, and if you desaturate by 10%, it is **64.6977, 85.3373, 63.0004**.

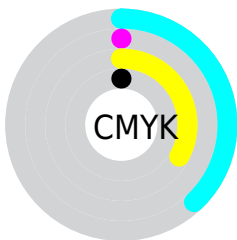
Distribution



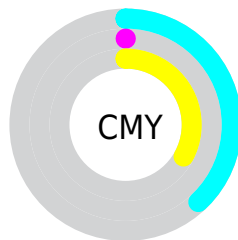
- Red (62%)
- Green (100%)
- Blue (67%)



- Red (62%)
- Yellow (96%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9203, 81.5904, 50.7787 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 56.9203, 81.5904, 50.7787 by changing the saturation by 10% instead.


 56.9203, 81.5904,
50.7787


 56.9203, 81.5904,
50.7787


403.1696,
500.2766, 406.5254

 41.1811, 61.0280,
35.6570


 99.4809, 135.5995,
92.7357

 28.6490, 44.2477,
23.8818


 127.0331,
169.8149, 120.4081

 18.9584, 30.8653,
15.0346


159.2536,
209.3501, 153.1012

 11.7440, 20.4963,
8.6968

196.5079,
254.5894, 191.2335

 6.6406, 12.7563,
4.4498

239.1613,
305.9174, 235.2235

 3.2827, 7.2610,
1.8752

287.5792,

 1.3050, 3.6258,

363.7183, 285.4898

0.4769

342.1268,
428.3765, 342.4509

■ 0.1869, 1.4665,
0.0000

■ 0.0000, 0.2650,
0.0000

■ 56.9203, 81.5904,
50.7787

■ 56.9203, 81.5904,
50.7787

■ 50.5341, 78.5199,
40.4619

■ 64.6977, 85.3373,
63.0004

■ 45.4550, 76.0846,
31.9506

■ 73.9406, 89.7972,
77.2123

■ 41.5918, 74.2398,
25.1417

■ 84.7198, 95.0048,
93.4989

■ 38.8410, 72.9344,
19.9208

95.0500, 100.0000,
108.9000

■ 37.0813, 72.1087,
16.1587

■ 36.1488, 71.6813,
13.7058

■ 36.0463, 71.6345,
13.4276

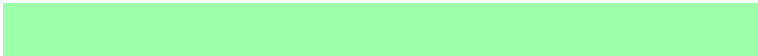
Harmonies

Analogous

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



66.3190, 81.5904, 34.5954



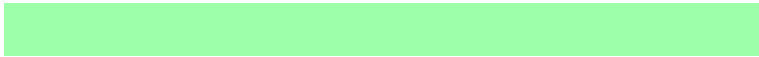
56.9203, 81.5904, 50.7787



53.0555, 81.5904, 82.3737

Triad

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



56.9203, 81.5904, 50.7787



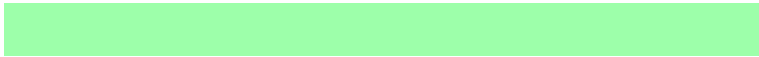
75.2579, 81.5904, 193.8827



105.4576, 81.5904, 59.1028

Complementary

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



56.9203, 81.5904, 50.7787



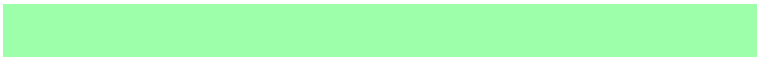
69.3240, 51.7850, 90.3450

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.



108.6152, 81.5904, 95.6321



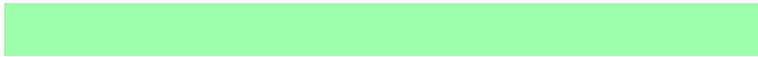
56.9203, 81.5904, 50.7787



89.9806, 81.5904, 181.8659

Square

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



56.9203, 81.5904, 50.7787



62.7727, 81.5904, 171.3879



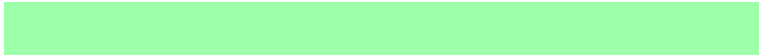
102.6424, 81.5904, 142.3195



94.4797, 81.5904, 38.2516

Rectangle

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



56.9203, 81.5904, 50.7787



53.7385, 81.5904, 111.3678



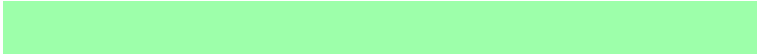
102.6424, 81.5904, 142.3195



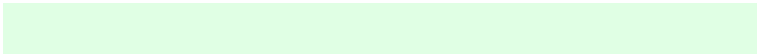
107.5223, 81.5904, 69.5722

Sweetspot

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



56.9208, 81.5906, 50.7800



80.6921, 93.0583, 87.4429



79.0040, 93.1101, 45.7069



16.9667, 19.7711, 18.2565



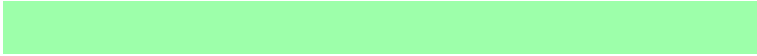
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

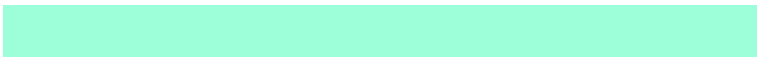
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.9208, 81.5906, 50.7800



51.9631, 79.2063, 42.8002



62.2457, 83.7206, 78.8208



17.8696, 20.2074, 19.6166



18.8649, 37.4425, 7.1738



1.8657, 3.6572, 0.8504

Inverse Universe

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



69.3240, 51.7850, 90.3450



65.9303, 45.6089, 87.3295



63.0986, 49.2949, 57.5629



18.6829, 18.2565, 22.2131



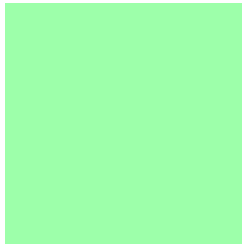
28.4205, 13.8575, 37.1941



2.7947, 1.3603, 3.7665

Previews

White Background



This preview shows how the XYZ color 56.9203, 81.5904, 50.7787 looks on a white background.

Color Contrast Check

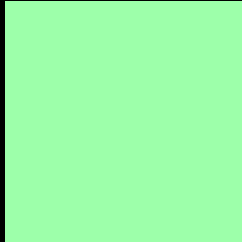
Large Text (above 18pt) WCAG AA × Fail

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 56.9203, 81.5904, 50.7787 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 56.9203, 81.5904, 50.7787

Background



This preview shows how black text looks on a background with the XYZ color 56.9203, 81.5904, 50.7787.

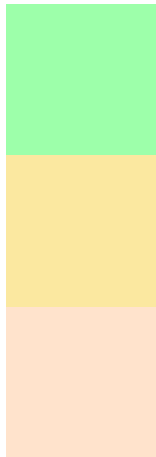


This preview shows how white text looks on a background with the XYZ color 56.9203, 81.5904,

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

56.9203, 81.5904, 50.7787

Protanopia

74.9854, 80.7605, 44.8939

Deuteranopia

79.6082, 80.5578, 68.4802



Tritanopia

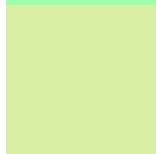
71.2024, 80.8776, 106.4659

Trichromacy



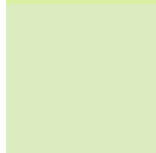
Original Color

56.9203, 81.5904, 50.7787



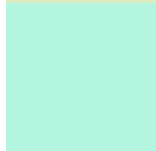
Protanomaly

66.4762, 79.7522, 47.0120



Deuteranomaly

69.0120, 79.4342, 61.5642



Tritanomaly

64.9293, 80.3899, 82.6157

Monochromacy



Original Color

56.9203, 81.5904, 50.7787



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.1113, 72.3193, 64.7709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9203, 81.5904, 50.7787 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(157, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 170)  
}
```

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(157, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 56.9203, 81.5904, 50.7787 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(157, 255, 170) }
```


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

```
.border{ border-color:rgb(157, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9203, 81.5904, 50.7787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 170) }
```

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

```
.background{ background-color: rgb(157,  
255, 170) }
```

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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