

Converting Colors

XYZ(56.9689, 81.5212, 55.0350)

Have a look what the booklet for
XYZ(56.9689, 81.5212, 55.0350)
contains.

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Color

**XYZ(56.9328, 81.5067,
54.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFB2
RGB	153, 255, 178
RGB Percent	60%, 100%, 70%
CMY	0.4000, 0.0000, 0.3020
CMYK	0.40, 0.00, 0.30, 0.00
HSL	135°, 100%, 80%
HSV	135°, 40%, 100%
XYZ	56.9328, 81.5067, 54.8512
YIQ	215.7240, -36.0750, -45.5710

Conversions

Conversions Part 2

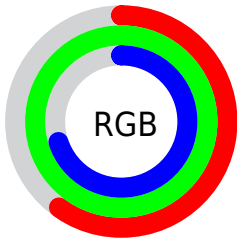
Format	Color
RYB	153, 235, 255
Decimal	10092466
CIELab	92.36, -45.57, 27.68
CIELCh	92, 53.324, 148.723
Yxy	81.5067, 0.2945, 0.4217
Android (android.graphics.Color)	4288282546 (0xFF99FFB2)
YUV	215.7240, -18.5979, -55.0089
Hunter-Lab	90.2811, -45.4267, 27.1745

Details

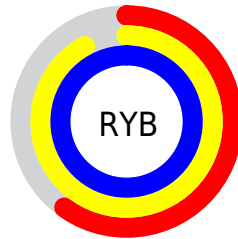
The XYZ color **56.9328, 81.5067, 54.8512** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.9144, 49.7562, 80.9396**, and the grayscale version is **65.2223, 68.6190, 74.7261**.

A 20% lighter version of the original color is **77.4753, 91.3094, 91.3830**, and **28.7196, 44.3556, 26.4498** is the 20% darker color. If you saturate the color by 10%, you get **50.8239, 78.5653, 45.1744**, and if you desaturate by 10%, it is **64.3424, 85.0872, 66.0073**.

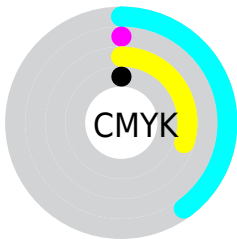
Distribution



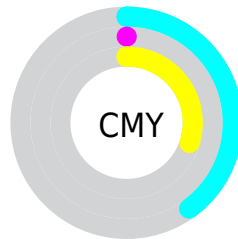
- Red (60%)
- Green (100%)
- Blue (70%)



- Red (60%)
- Yellow (92%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9328, 81.5067, 54.8512 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 56.9328, 81.5067, 54.8512 by changing the saturation by 10% instead.


 56.9328, 81.5067,
54.8512


 56.9328, 81.5067,
54.8512


403.2157,
499.9961, 422.6137

 41.1912, 60.9590,
38.8848


 99.4991, 135.4820,
98.7919

 28.6569, 44.1921,
26.3630


 127.0544,
169.6784, 127.6032

 18.9644, 30.8215,
16.8672

159.2785,
209.1932, 161.5333

 11.7484, 20.4630,
9.9789

196.5365,
254.4107, 201.0007

 6.6436, 12.7320,
5.2795

239.1939,
305.7153, 246.4239

 3.2845, 7.2443,
2.3506

287.6160,

 1.3060, 3.6153,

363.4915, 298.2214

0.7594

342.1681,
428.1237, 356.8118

■ 0.1877, 1.4608,
0.0000

■ 0.0000, 0.2609,
0.0000

■ 56.9328, 81.5067,
54.8512

■ 56.9328, 81.5067,
54.8512

■ 50.8239, 78.5653,
45.1744

■ 64.3424, 85.0872,
66.0073

■ 45.9368, 76.2237,
36.9108

■ 73.1220, 89.3415,
78.6972

■ 42.1861, 74.4394,
29.9948

■ 83.3377, 94.3024,
92.9777

■ 39.4745, 73.1635,
24.3543

95.0500, 100.0000,
108.9000

■ 37.6870, 72.3386,
19.9101

■ 36.6434, 71.8734,
16.5719

■ 36.6434, 71.8733,
16.5717

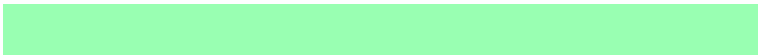
Harmonies

Analogous

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



65.4050, 81.5067, 37.3945



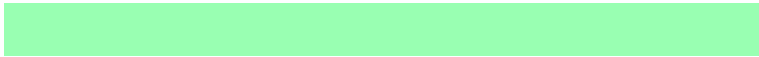
56.9328, 81.5067, 54.8512



53.8549, 81.5067, 87.0637

Triad

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



56.9328, 81.5067, 54.8512



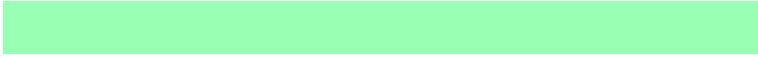
76.8797, 81.5067, 188.4608



103.1464, 81.5067, 57.0078

Complementary

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



56.9328, 81.5067, 54.8512



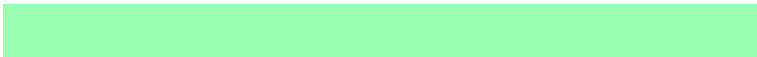
66.9144, 49.7562, 80.9396

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.



107.1402, 81.5067, 90.4518



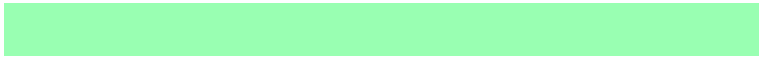
56.9328, 81.5067, 54.8512



90.9336, 81.5067, 173.4606

Square

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



56.9328, 81.5067, 54.8512



64.4941, 81.5067, 170.8259



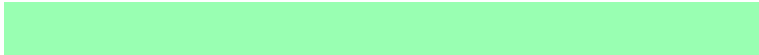
102.4322, 81.5067, 134.3357



92.0784, 81.5067, 38.3547

Rectangle

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



56.9328, 81.5067, 54.8512



54.9590, 81.5067, 115.4423



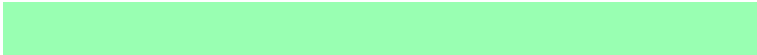
102.4322, 81.5067, 134.3357



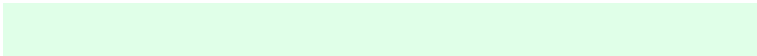
105.4149, 81.5067, 66.5211

Sweetspot

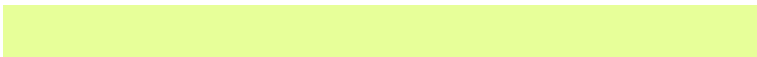
The Sweet Spot groups the original color and five complimentary colors.



56.9334, 81.5069, 54.8525



81.1759, 93.2518, 89.9907



74.5297, 90.8423, 43.7440



17.0797, 19.8163, 18.8518



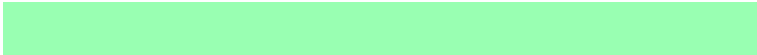
0.0000, 0.0000, 0.0000



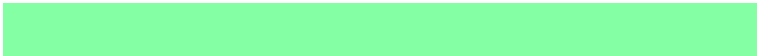
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9334, 81.5069, 54.8525



51.9450, 79.1041, 46.9942



62.8731, 83.8828, 86.1309



17.9541, 20.2412, 20.0613



19.1960, 37.5750, 8.9173



1.9101, 3.6750, 1.0843

Inverse Universe

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



66.9144, 49.7562, 80.9396



63.1633, 43.3619, 76.2738



60.8903, 47.3466, 49.2172



18.5912, 18.2198, 21.7302



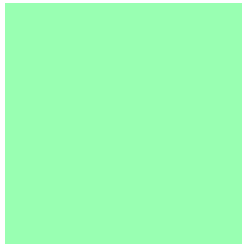
26.6114, 13.1338, 27.6678



2.6342, 1.2961, 2.9211

Previews

White Background



This preview shows how the XYZ color 56.9328, 81.5067, 54.8512 looks on a white background.

Color Contrast Check

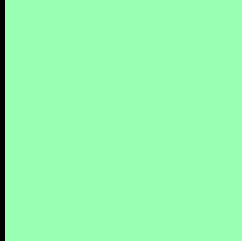
Large Text (above 18pt) WCAG AA × Fail

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 56.9328, 81.5067, 54.8512 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 56.9328, 81.5067, 54.8512

Background



This preview shows how black text looks on a background with the XYZ color 56.9328, 81.5067, 54.8512.

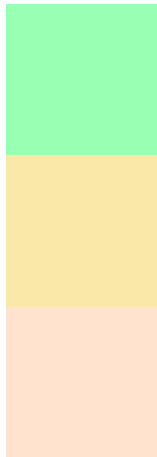


This preview shows how white text looks on a background with the XYZ color 56.9328, 81.5067,

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

56.9328, 81.5067, 54.8512

Protanopia

74.9914, 80.6801, 48.6661

Deuteranopia

79.8497, 80.6544, 69.7518



Tritanopia

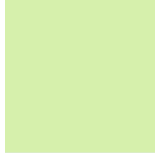
70.9912, 81.2070, 106.5406

Trichromacy



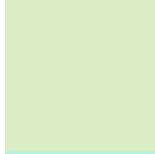
Original Color

56.9328, 81.5067, 54.8512



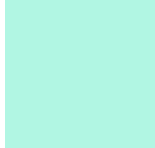
Protanomaly

66.3380, 79.5949, 50.8967



Deuteranomaly

69.1614, 79.4593, 63.9165



Tritanomaly

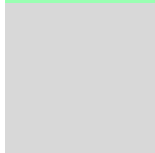
64.9524, 80.8047, 84.8466

Monochromacy



Original Color

56.9328, 81.5067, 54.8512



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.9498, 72.1954, 66.5998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9328, 81.5067, 54.8512 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(153, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 178)  
}
```

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(153, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 56.9328, 81.5067, 54.8512 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(153, 255, 178) }
```


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

```
.border{ border-color:rgb(153, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9328, 81.5067, 54.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 178) }
```

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

```
.background{ background-color: rgb(153,  
255, 178) }
```

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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