

# Converting Colors

XYZ(56.6270, 81.3843, 53.2410)

Have a look what the booklet for  
XYZ(56.6270, 81.3843, 53.2410)  
contains.

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# Color

**XYZ(56.6347, 81.3874,  
53.2818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFAF
RGB	153, 255, 175
RGB Percent	60%, 100%, 69%
CMY	0.4000, 0.0000, 0.3137
CMYK	0.40, 0.00, 0.31, 0.00
HSL	133°, 100%, 80%
HSV	133°, 40%, 100%
XYZ	56.6347, 81.3874, 53.2818
YIQ	215.3820, -35.1120, -46.5040

# Conversions

## Conversions Part 2

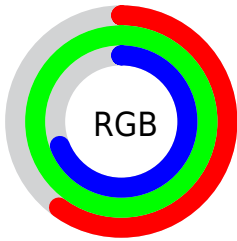
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 237, 255</a>
Decimal	<a href="#">10092463</a>
CIELab	<a href="#">92.30, -46.08, 29.13</a>
CIELCh	<a href="#">92, 54.515, 147.706</a>
Yxy	<a href="#">81.3874, 0.2960, 0.4254</a>
Android (android.graphics.Color)	<a href="#">4288282543 (0xFF99FFAF)</a>
YUV	<a href="#">215.3820, -19.9083, -54.7090</a>
Hunter-Lab	<a href="#">90.2150, -45.8184, 28.1332</a>

# Details

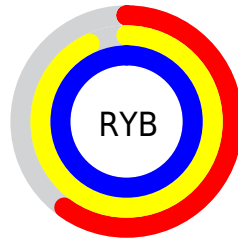
The XYZ color **56.6347, 81.3874, 53.2818** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.3393, 49.9261, 83.1777**, and the grayscale version is **64.9979, 68.3828, 74.4689**.

A 20% lighter version of the original color is **77.0478, 91.1384, 89.1319**, and **28.5308, 44.2801, 25.4555** is the 20% darker color. If you saturate the color by 10%, you get **50.5039, 78.4373, 43.4896**, and if you desaturate by 10%, it is **64.0860, 84.9846, 64.6570**.

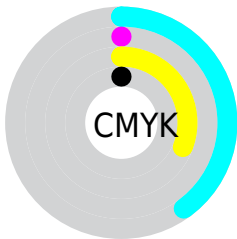
# Distribution



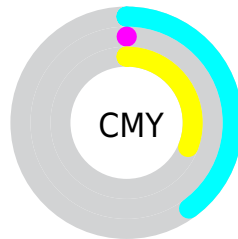
- Red (60%)
- Green (100%)
- Blue (69%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6347, 81.3874, 53.2818 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 56.6347, 81.3874, 53.2818 by changing the saturation by 10% instead.





 56.6347, 81.3874,  
53.2818


 56.6347, 81.3874,  
53.2818


402.1154,  
499.5963, 416.4623

 40.9510, 60.8607,  
37.6385

 99.0664, 135.3146,  
96.4646

 28.4683, 44.1128,  
25.4026


 126.5452,  
169.4839, 124.8413

 18.8212, 30.7592,  
16.1555


158.6863,  
208.9695, 158.2995

 11.6444, 20.4155,  
9.4787

195.8552,  
254.1558, 197.2577

 6.5725, 12.6975,  
4.9537

238.4172,  
305.4273, 242.1346

 3.2402, 7.2205,  
2.1618


286.7377,


 1.2820, 3.6004,


363.1682, 293.3486

0.6522


341.1819,  
427.7631, 351.3183


 0.1697, 1.4526,  
0.0000


 0.0000, 0.2550,  
0.0000


 56.6347, 81.3874,  
53.2818


 56.6347, 81.3874,  
53.2818


 50.5039, 78.4373,  
43.4896


 64.0860, 84.9846,  
64.6570

 45.6131, 76.0942,  
35.2064

 72.9282, 89.2640,  
77.6772

 41.8752, 74.3150,  
28.3579

 83.2290, 94.2589,  
92.4056

 39.1910, 73.0501,  
22.8619

95.0500, 100.0000,  
108.9000

■ 37.4435, 72.2412,  
18.6278

■ 36.4497, 71.7959,  
15.5519

■ 36.4497, 71.7959,  
15.5517

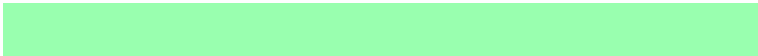
# Harmonies

## Analogous

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



65.4281, 81.3874, 36.1324



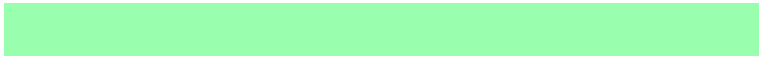
56.6347, 81.3874, 53.2818



53.3142, 81.3874, 85.5461

# Triad

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



56.6347, 81.3874, 53.2818



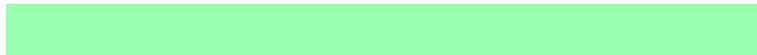
76.2764, 81.3874, 190.9917



103.9160, 81.3874, 57.2083

# Complementary

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



56.6347, 81.3874, 53.2818



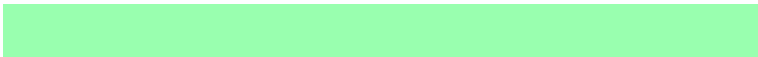
67.3393, 49.9261, 83.1777

# 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.



107.7178, 81.3874, 91.7606



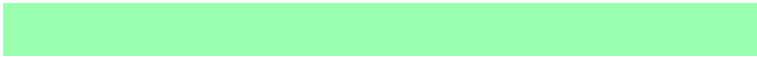
56.6347, 81.3874, 53.2818



90.6527, 81.3874, 176.6241

# Square

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



56.6347, 81.3874, 53.2818



63.7618, 81.3874, 171.7487



102.6007, 81.3874, 136.8881

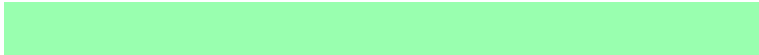


92.7575, 81.3874, 37.8679



# Rectangle

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



56.6347, 81.3874, 53.2818



54.3049, 81.3874, 114.3795



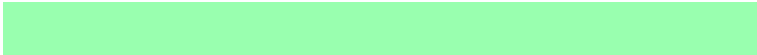
102.6007, 81.3874, 136.8881



106.1518, 81.3874, 67.0462

# Sweetspot

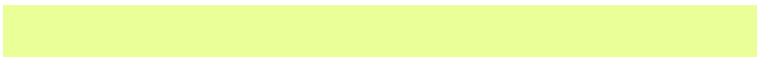
The Sweet Spot groups the original color and five complimentary colors.



56.6353, 81.3877, 53.2831



81.0485, 93.2008, 89.3194



75.6390, 91.4142, 43.7958



17.0499, 19.8044, 18.6948



0.0000, 0.0000, 0.0000

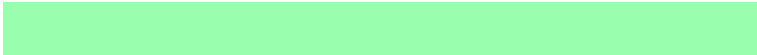


20.3446, 21.4041, 23.3091

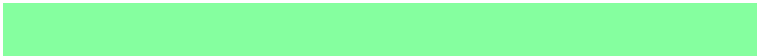


# Same Dimension

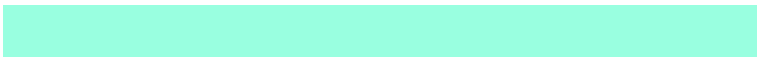
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.6353, 81.3877, 53.2831



51.6280, 78.9773, 45.3246



62.4061, 83.6960, 83.6719



17.9319, 20.2323, 19.9443



19.0900, 37.5326, 8.3594



1.8969, 3.6697, 1.0150



# Inverse Universe

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



67.3393, 49.9261, 83.1777



63.6597, 43.5605, 78.8880



61.2414, 47.4870, 51.0666



18.6150, 18.2293, 21.8558



27.0536, 13.3107, 29.9965

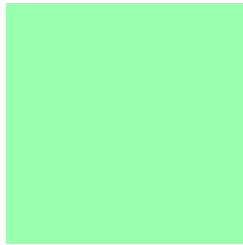


2.6738, 1.3119, 3.1298



# Previews

## White Background



This preview shows how the XYZ color 56.6347, 81.3874, 53.2818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

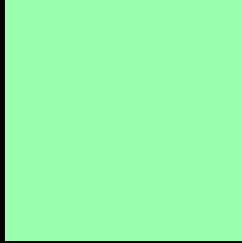
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6347, 81.3874, 53.2818 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 56.6347, 81.3874, 53.2818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.6347, 81.3874, 53.2818.



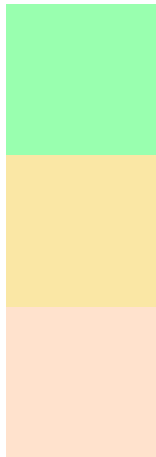
This preview shows how white text looks on a background with the XYZ color 56.6347, 81.3874,



# 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

56.6347, 81.3874, 53.2818

### Protanopia

74.7918, 80.1924, 47.1340

### Deuteranopia

79.4558, 80.0605, 69.0231



## Tritanopia

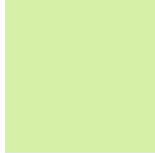
70.9912, 81.2070, 106.5406

# Trichromacy



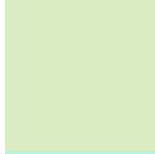
## Original Color

56.6347, 81.3874, 53.2818



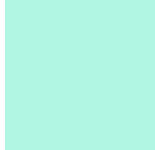
## Protanomaly

66.3459, 79.6318, 49.4098



## Deuteranomaly

68.9352, 79.3688, 62.7254



## Tritanomaly

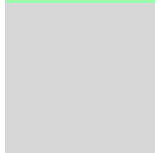
64.8147, 80.7496, 84.1216

# Monochromacy



## Original Color

56.6347, 81.3874, 53.2818



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.4604, 71.9702, 65.3486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6347, 81.3874, 53.2818 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6347, 81.3874, 53.2818 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, 175) }
```



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

```
.border{ border-color:rgb(153, 255, 175) }
```

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, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6347, 81.3874, 53.2818 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, 175) }
```

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

```
.background{ background-color: rgb(153,  
255, 175) }
```

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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