

# Converting Colors

XYZ(56.9087, 81.3285, 40.1352)

Have a look what the booklet for  
XYZ(56.9087, 81.3285, 40.1352)  
contains.

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# Color

**XYZ(56.8567, 81.3150,  
40.3025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FE93
RGB	168, 254, 147
RGB Percent	66%, 100%, 58%
CMY	0.3412, 0.0039, 0.4235
CMYK	0.34, 0.00, 0.42, 0.00
HSL	108°, 98%, 79%
HSV	108°, 42%, 100%
XYZ	56.8567, 81.3150, 40.3025
YIQ	216.0880, -16.9090, -51.5090

# Conversions

## Conversions Part 2

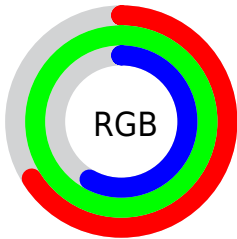
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 254, 233</a>
Decimal	<a href="#">11075219</a>
CIELab	<a href="#">92.27, -45.40, 43.08</a>
CIElCh	<a href="#">92, 62.580, 136.502</a>
Yxy	<a href="#">81.3150, 0.3186, 0.4556</a>
Android (android.graphics.Color)	<a href="#">4289265299 (0xFFA8FE93)</a>
YUV	<a href="#">216.0880, -34.0604, -42.1732</a>
Hunter-Lab	<a href="#">90.1748, -45.2588, 36.6235</a>

# Details

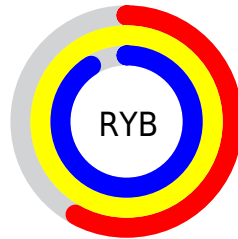
The XYZ color **56.8567, 81.3150, 40.3025** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.9312, 45.3494, 99.2594**, and the grayscale version is **65.5651, 68.9796, 75.1188**.

A 20% lighter version of the original color is **77.7847, 91.9530, 69.5261**, and **28.6687, 44.1854, 17.6073** is the 20% darker color. If you saturate the color by 10%, you get **51.0694, 78.5394, 30.7515**, and if you desaturate by 10%, it is **63.7705, 84.6253, 52.2065**.

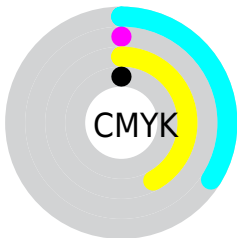
# Distribution



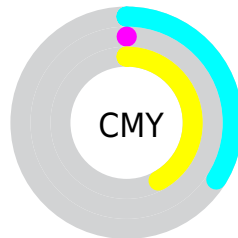
- Red (66%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8567, 81.3150, 40.3025 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 56.8567, 81.3150, 40.3025 by changing the saturation by 10% instead.




 56.8567, 81.3150,  
40.3025


 56.8567, 81.3150,  
40.3025


402.9350,  
499.3535, 362.9869

 41.1299, 60.8011,  
27.4589


 99.3886, 135.2130,  
76.8661

 28.6087, 44.0646,  
17.6827


 126.9245,  
169.3658, 101.4231

 18.9278, 30.7213,  
10.5553

159.1273,  
208.8337, 130.7217

 11.7218, 20.3867,  
5.6583

196.3626,  
254.0011, 165.1803

 6.6254, 12.6765,  
2.5730

238.9957,  
305.2524, 205.2177

 3.2732, 7.2061,  
0.8785

287.3919,

 1.2998, 3.5914,

362.9720, 251.2522

0.0000

341.9165,  
427.5442, 303.7024

0.1831, 1.4477,  
0.0000

0.0000, 0.2515,  
0.0000

56.8567, 81.3150,  
40.3025

56.8567, 81.3150,  
40.3025

51.0694, 78.5394,  
30.7515

63.7705, 84.6253,  
52.2065

46.3416, 76.2601,  
23.3924

71.8611, 88.4860,  
66.5997

42.6081, 74.4498,  
18.0525

81.1829, 92.9246,  
83.6142

39.7937, 73.0739,  
14.5306

91.7851, 97.9639,  
103.3713

■ 37.8111, 72.0929,  
12.5843

94.7334, 99.3669,  
108.7945

■ 36.7512, 71.5611,  
11.8757

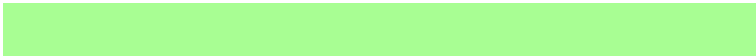
# Harmonies

## Analogous

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



68.7882, 81.3150, 27.6647



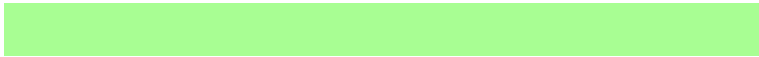
56.8567, 81.3150, 40.3025



50.8258, 81.3150, 69.3384

# Triad

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



56.8567, 81.3150, 40.3025



70.2552, 81.3150, 206.4118



111.0950, 81.3150, 65.5778

# Complementary

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



56.8567, 81.3150, 40.3025



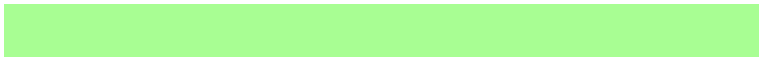
61.9312, 45.3494, 99.2594

# Split Complementary

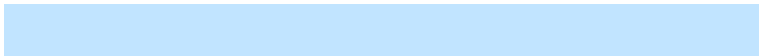
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6331, 81.3150, 110.9906



56.8567, 81.3150, 40.3025



86.4595, 81.3150, 204.2950

# Square

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



56.8567, 81.3150, 40.3025



57.8010, 81.3150, 170.1099



102.1058, 81.3150, 165.0597

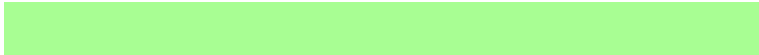


100.7245, 81.3150, 38.3808



# Rectangle

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



56.8567, 81.3150, 40.3025



50.3292, 81.3150, 99.0087



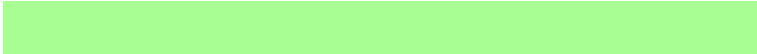
102.1058, 81.3150, 165.0597



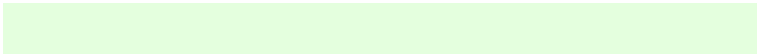
112.4770, 81.3150, 78.8332

# Sweetspot

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



56.8587, 81.3185, 40.3043



81.0324, 93.3380, 82.7471



75.1688, 81.2328, 39.3227



16.8818, 19.7581, 16.8614



0.0000, 0.0000, 0.0000

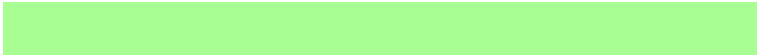


20.3446, 21.4041, 23.3091

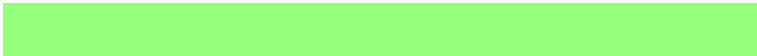


# Same Dimension

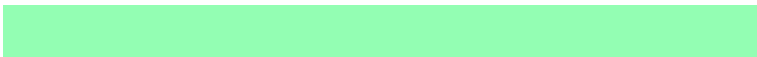
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8587, 81.3185, 40.3043



52.1229, 79.5281, 31.9886



55.6238, 80.3491, 55.2801



18.1043, 20.3397, 19.1161



19.4675, 37.7739, 6.2651



1.9782, 3.7205, 0.6139



# Inverse Universe

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



61.9312, 45.3494, 99.2594



57.8436, 38.6116, 99.0118



64.4811, 47.2090, 74.7539



18.4229, 18.1097, 22.7745



22.7047, 10.6152, 50.2868

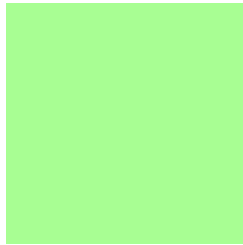


2.2957, 1.0774, 4.9002



# Previews

## White Background



This preview shows how the XYZ color 56.8567, 81.3150, 40.3025 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 56.8567, 81.3150, 40.3025 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

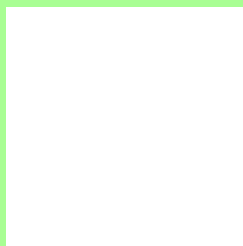
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.8567, 81.3150, 40.3025

## Background



This preview shows how black text looks on a background with the XYZ color 56.8567, 81.3150, 40.3025.



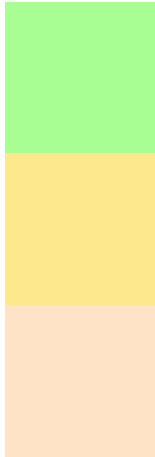
This preview shows how white text looks on a background with the XYZ color 56.8567, 81.3150,



# 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

56.8567, 81.3150, 40.3025

### Protanopia

74.0248, 80.4600, 36.0549

### Deuteranopia

79.0179, 80.3217, 65.3718



## Tritanopia

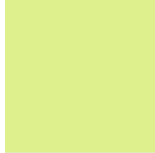
71.9425, 80.8233, 106.4164

# Trichromacy



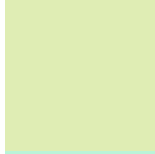
## Original Color

56.8567, 81.3150, 40.3025



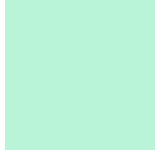
## Protanomaly

66.1668, 79.8028, 37.5073



## Deuteranomaly

68.9538, 79.5516, 54.9008



## Tritanomaly

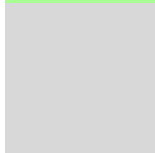
64.9951, 80.0983, 77.0007

# Monochromacy



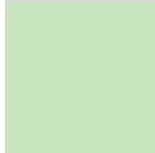
## Original Color

56.8567, 81.3150, 40.3025



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.2540, 72.4973, 60.0552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8567, 81.3150, 40.3025 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(168, 254, 147)` looks like.

```
.text, #text, p{  
    color:rgb(168, 254, 147)  
}
```

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(168, 254, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 254, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8567, 81.3150, 40.3025 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(168, 254, 147) }
```



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

```
.border{ border-color:rgb(168, 254, 147) }
```

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

Here you see how a box with a 4 pixel rgb(168, 254, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 254, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 254, 147);  
box-shadow:4px 4px 4px 4px rgb(168, 254,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8567, 81.3150, 40.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 254, 147) }
```

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

```
.background{ background-color: rgb(168,  
254, 147) }
```

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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