

Converting Colors

XYZ(68.7818, 106.6604,
42.8790)

Have a look what the booklet for
XYZ(68.7818, 106.6604, 42.8790)
contains.

XYZ(56.2350, 81.5025, 38.7543)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.2350, 81.5025,
38.7543)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FF8F
RGB	165, 255, 143
RGB Percent	65%, 100%, 56%
CMY	0.3529, 0.0000, 0.4392
CMYK	0.35, 0.00, 0.44, 0.00
HSL	108°, 100%, 78%
HSV	108°, 44%, 100%
XYZ	56.2350, 81.5025, 38.7543
YIQ	215.3220, -17.6880, -53.9120

Conversions

Conversions Part 2

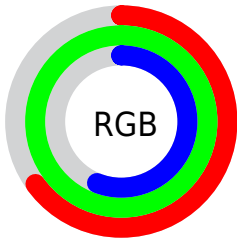
Format	Color
RYB	143, 255, 233
Decimal	10878863
CIELab	92.35, -47.29, 45.08
CIELCh	92, 65.339, 136.372
Yxy	81.5025, 0.3186, 0.4618
Android (android.graphics.Color)	4289068943 (0xFFA5FF8F)
YUV	215.3220, -35.6547, -44.1324
Hunter-Lab	90.2787, -46.7994, 37.7435

Details

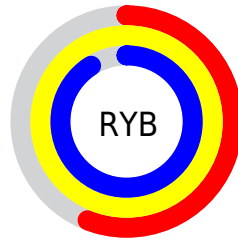
The XYZ color **56.2350, 81.5025, 38.7543** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4780, 44.1899, 99.8970**, and the grayscale version is **65.0521, 68.4399, 74.5311**.

A 20% lighter version of the original color is **76.3845, 91.2852, 67.0200**, and **28.2239, 44.3145, 16.7389** is the 20% darker color. If you saturate the color by 10%, you get **50.5913, 78.7915, 29.5270**, and if you desaturate by 10%, it is **63.0014, 84.7416, 50.3283**.

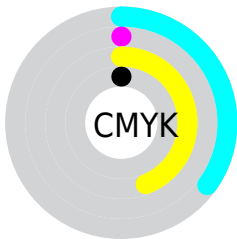
Distribution



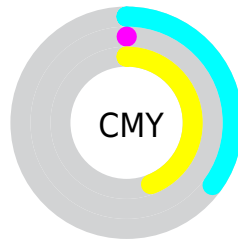
- Red (65%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2350, 81.5025, 38.7543 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 56.2350, 81.5025, 38.7543 by changing the saturation by 10% instead.


 56.2350, 81.5025,
38.7543


 56.2350, 81.5025,
38.7543


400.6372,
499.9820, 356.2395

 40.6291, 60.9555,
26.2623


 98.4859, 135.4761,
74.4790

 28.2158, 44.1893,
16.7924


 125.8616,
169.6716, 98.5488

 18.6297, 30.8193,
9.9262


157.8913,
209.1853, 127.3149

 11.5054, 20.4613,
5.2451

194.9404,
254.4017, 161.1959

 6.4776, 12.7308,
2.3305

237.3742,
305.7052, 200.6103

 3.1810, 7.2435,
0.7482

285.5580,

 1.2502, 3.6148,

363.4802, 245.9767

0.0000

339.8572,
428.1110, 297.7136

0.1455, 1.4605,
0.0000

0.0000, 0.2607,
0.0000

56.2350, 81.5025,
38.7543

56.2350, 81.5025,
38.7543

50.5913, 78.7915,
29.5270

63.0014, 84.7416,
50.3283

46.0067, 76.5792,
22.4824

70.9470, 88.5347,
64.3904

42.4124, 74.8341,
17.4414

80.1258, 92.9067,
81.0754

39.7307, 73.5207,
14.1950

90.5879, 97.8809,
100.5072

■ 37.8707, 72.5977, 95.0500, 100.0000,
12.4877 108.9000

■ 37.0796, 72.2003,
11.9818

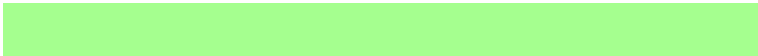
Harmonies

Analogous

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



68.6579, 81.5025, 26.0312



56.2350, 81.5025, 38.7543



49.9703, 81.5025, 68.5624

Triad

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



56.2350, 81.5025, 38.7543



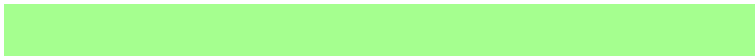
70.0553, 81.5025, 213.4745



113.0334, 81.5025, 64.9987

Complementary

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



56.2350, 81.5025, 38.7543



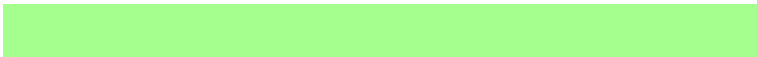
61.4780, 44.1899, 99.8970

Split Complementary

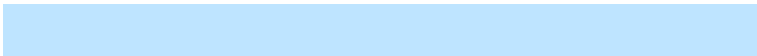
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.5527, 81.5025, 112.5378



56.2350, 81.5025, 38.7543



86.9962, 81.5025, 211.4088

Square

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



56.2350, 81.5025, 38.7543



57.1292, 81.5025, 174.6421



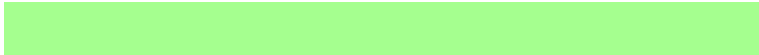
103.4625, 81.5025, 169.7361



102.1327, 81.5025, 36.9672

Rectangle

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



56.2350, 81.5025, 38.7543



49.4389, 81.5025, 99.4831



103.4625, 81.5025, 169.7361



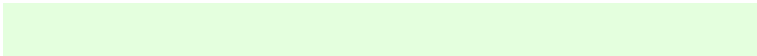
114.4771, 81.5025, 78.8040

Sweetspot

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



56.2354, 81.5027, 38.7555



81.0343, 93.3390, 82.7471



75.2241, 81.2952, 37.7147



16.8822, 19.7583, 16.8615



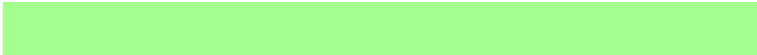
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

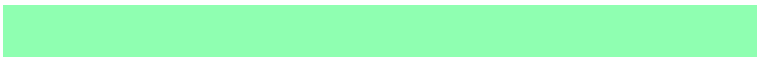
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.2354, 81.5027, 38.7555



51.0655, 79.0197, 30.2825



54.9845, 80.5184, 54.0310



18.1046, 20.3398, 19.1161



19.4687, 37.7746, 6.2651



1.9783, 3.7206, 0.6139

Inverse Universe

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



61.4780, 44.1899, 99.8970



56.8879, 37.1854, 98.7869



64.1676, 46.1477, 74.2124



18.4225, 18.1096, 22.7745



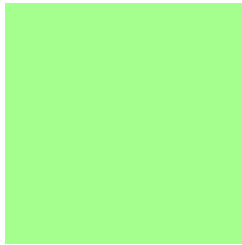
22.6983, 10.6119, 50.2865



2.2951, 1.0771, 4.9002

Previews

White Background



This preview shows how the XYZ color 56.2350, 81.5025, 38.7543 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 56.2350, 81.5025, 38.7543 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 56.2350, 81.5025, 38.7543

Background



This preview shows how black text looks on a background with the XYZ color 56.2350, 81.5025, 38.7543.



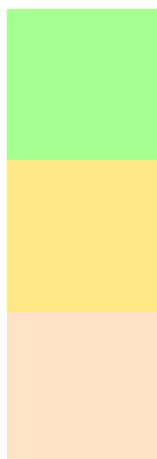
This preview shows how white text looks on a background with the XYZ color 56.2350, 81.5025,

38.7543.

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

56.2350, 81.5025, 38.7543

Protanopia

74.0327, 80.5053, 34.1914

Deuteranopia

79.0179, 80.3217, 65.3718



Tritanopia

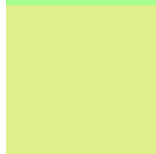
71.9425, 80.8233, 106.4164

Trichromacy



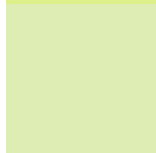
Original Color

56.2350, 81.5025, 38.7543



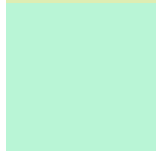
Protanomaly

65.7996, 79.6559, 35.5740



Deuteranomaly

68.5451, 79.3526, 54.3517



Tritanomaly

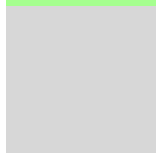
64.7976, 80.4741, 75.7362

Monochromacy



Original Color

56.2350, 81.5025, 38.7543



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5081, 72.1381, 58.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2350, 81.5025, 38.7543 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(165, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 143)  
}
```

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(165, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 56.2350, 81.5025, 38.7543 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(165, 255, 143) }
```


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

```
.border{ border-color:rgb(165, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2350, 81.5025, 38.7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 143) }
```

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

```
.background{ background-color: rgb(165,  
255, 143) }
```

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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