

Converting Colors

XYZ(77.0805, 123.0264,
37.9507)

Have a look what the booklet for
XYZ(77.0805, 123.0264, 37.9507)
contains.

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Color

**XYZ(56.5064, 81.8094,
31.2249)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFF7A
RGB	173, 255, 122
RGB Percent	68%, 100%, 48%
CMY	0.3216, 0.0000, 0.5216
CMYK	0.32, 0.00, 0.52, 0.00
HSL	97°, 100%, 74%
HSV	97°, 52%, 100%
XYZ	56.5064, 81.8094, 31.2249
YIQ	215.3200, -6.1790, -58.7470

Conversions

Conversions Part 2

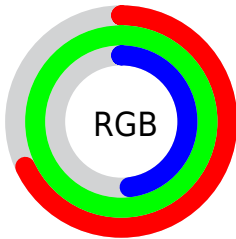
Format	Color
RYB	122, 255, 204
Decimal	11403130
CIELab	92.49, -47.21, 55.16
CIELCh	92, 72.604, 130.555
Yxy	81.8094, 0.3333, 0.4825
Android (android.graphics.Color)	4289593210 (0xFFADFF7A)
YUV	215.3200, -46.0068, -37.1146
Hunter-Lab	90.4485, -46.7697, 42.8457

Details

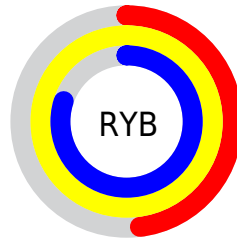
The XYZ color **56.5064, 81.8094, 31.2249** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **49.9128, 33.9778, 98.5354**, and the grayscale version is **65.1132, 68.5041, 74.6010**.

A 20% lighter version of the original color is **76.6508, 91.6832, 55.2517**, and **28.4399, 44.5185, 12.5628** is the 20% darker color. If you saturate the color by 10%, you get **51.8535, 79.5699, 23.8138**, and if you desaturate by 10%, it is **61.9835, 84.4258, 40.8403**.

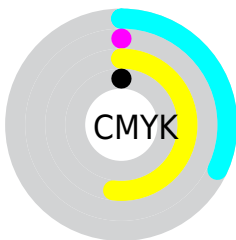
Distribution



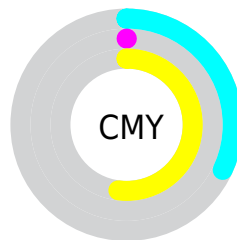
- Red (68%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (80%)



- Cyan (32%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5064, 81.8094, 31.2249 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 56.5064, 81.8094, 31.2249 by changing the saturation by 10% instead.


 56.5064, 81.8094,
31.2249


 56.5064, 81.8094,
31.2249


401.6413,
501.0099, 321.9563


 40.8477, 61.2084,
20.5103


 98.8801, 135.9067,
62.6777

 28.3872, 44.3934,
12.5788


 126.3258,
170.1718, 84.2529

 18.7597, 30.9799,
7.0118


 158.4312,
209.7604, 110.2855

 11.5997, 20.5835,
3.3909

195.5617,
255.0569, 141.1938

 6.5420, 12.8199,
1.2975

238.0826,
306.4458, 177.3966

 3.2211, 7.3047,
0.0598

286.3592,

 1.2718, 3.6534,

364.3113, 219.3122

0.0000

340.7570,
429.0378, 267.3593

0.1619, 1.4816,
0.0000

0.0000, 0.2757,
0.0000

56.5064, 81.8094,
31.2249

56.5064, 81.8094,
31.2249

51.8535, 79.5699,
23.8138

61.9835, 84.4258,
40.8403

47.9767, 77.6865,
18.4282

68.3270, 87.4375,
52.8129

44.8230, 76.1363,
14.8671

75.5769, 90.8622,
67.2859

42.3305, 74.8926,
12.8867

83.7702, 94.7159,
84.3904

■ 40.7730, 74.1043,
12.1546

■ 92.9417, 99.0139,
104.2479

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



71.3098, 81.8094, 21.0674



56.5064, 81.8094, 31.2249



48.3614, 81.8094, 58.8163

Triad

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



56.5064, 81.8094, 31.2249



66.3130, 81.8094, 227.0520



119.0733, 81.8094, 71.3948

Complementary

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



56.5064, 81.8094, 31.2249



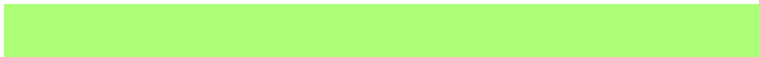
49.9128, 33.9778, 98.5354

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.



117.1534, 81.8094, 128.2602



56.5064, 81.8094, 31.2249



84.5824, 81.8094, 234.9052

Square

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



56.5064, 81.8094, 31.2249



53.3583, 81.8094, 174.9679



103.7626, 81.8094, 193.4104



108.6486, 81.8094, 37.2244

Rectangle

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



56.5064, 81.8094, 31.2249



46.8730, 81.8094, 90.0855



103.7626, 81.8094, 193.4104



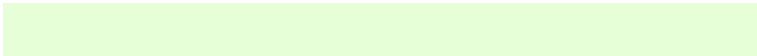
119.8870, 81.8094, 88.0751

Sweetspot

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



56.5066, 81.8095, 31.2261



80.5064, 93.1825, 77.4952



65.8270, 64.8132, 27.4542



16.8702, 19.7749, 15.8322



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.



56.5066, 81.8095, 31.2261



51.4967, 79.3974, 23.2833



48.1811, 77.4157, 35.4371



18.4300, 20.5076, 19.1313



21.4583, 38.8003, 6.3582



2.2067, 3.8383, 0.6246

Inverse Universe

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



49.9128, 33.9778, 98.5354



44.1784, 26.6779, 97.4286



64.1820, 41.5728, 88.4102



18.0786, 17.9322, 22.7584



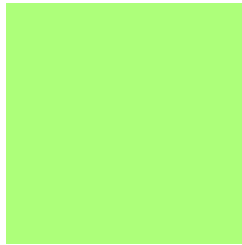
16.8914, 7.6183, 50.0148



1.7666, 0.8047, 4.8755

Previews

White Background



This preview shows how the XYZ color 56.5064, 81.8094, 31.2249 looks on a white background.

Color Contrast Check

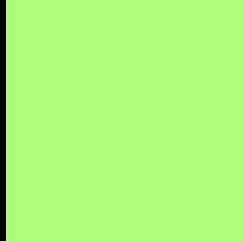
Large Text (above 18pt) WCAG AA × Fail

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 56.5064, 81.8094, 31.2249 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

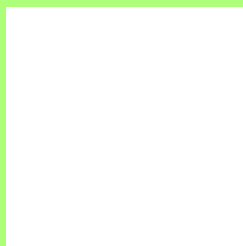
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5064, 81.8094, 31.2249

Background



This preview shows how black text looks on a background with the XYZ color 56.5064, 81.8094, 31.2249.

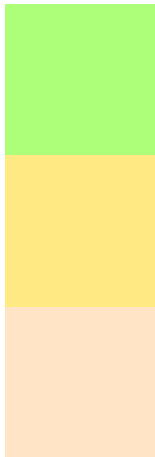


This preview shows how white text looks on a background with the XYZ color 56.5064, 81.8094,

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

56.5064, 81.8094, 31.2249

Protanopia

74.4082, 81.1495, 32.8608

Deuteranopia

79.1764, 80.8240, 64.8536



Tritanopia

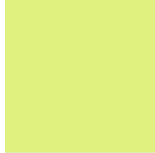
73.0039, 81.3705, 106.4661

Trichromacy



Original Color

56.5064, 81.8094, 31.2249



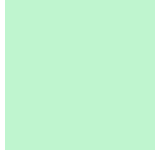
Protanomaly

66.3374, 80.4505, 32.1108



Deuteranomaly

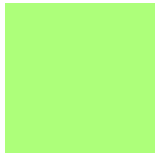
68.8816, 80.0589, 49.8527



Tritanomaly

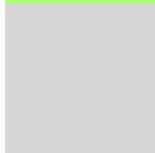
65.4008, 80.8862, 71.1971

Monochromacy



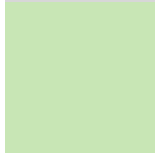
Original Color

56.5064, 81.8094, 31.2249



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.4567, 72.2092, 54.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5064, 81.8094, 31.2249 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(173, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 122)  
}
```

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(173, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 56.5064, 81.8094, 31.2249 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(173, 255, 122) }
```


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

```
.border{ border-color:rgb(173, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5064, 81.8094, 31.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 122) }
```

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

```
.background{ background-color: rgb(173,  
255, 122) }
```

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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