

Converting Colors

XYZ(56.9893, 81.7999, 42.9223)

Have a look what the booklet for
XYZ(56.9893, 81.7999, 42.9223)
contains.

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Color

**XYZ(57.0268, 81.8192,
42.9241)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FF99
RGB	165, 255, 153
RGB Percent	65%, 100%, 60%
CMY	0.3529, 0.0000, 0.4000
CMYK	0.35, 0.00, 0.40, 0.00
HSL	113°, 100%, 80%
HSV	113°, 40%, 100%
XYZ	57.0268, 81.8192, 42.9241
YIQ	216.4620, -20.8980, -50.8020

Conversions

Conversions Part 2

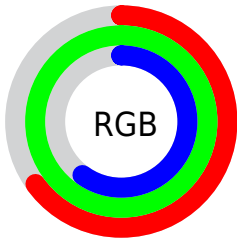
Format	Color
RYB	153, 255, 243
Decimal	10878873
CIELab	92.50, -45.94, 40.41
CIELCh	92, 61.184, 138.662
Yxy	81.8192, 0.3137, 0.4501
Android (android.graphics.Color)	4289068953 (0xFFA5FF99)
YUV	216.4620, -31.2868, -45.1322
Hunter-Lab	90.4540, -45.7589, 35.1823

Details

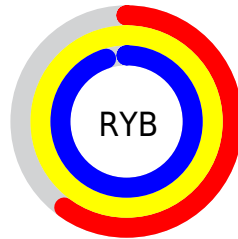
The XYZ color **57.0268, 81.8192, 42.9241** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.4046, 49.0585, 100.5771**, and the grayscale version is **65.8023, 69.2291, 75.3905**.

A 20% lighter version of the original color is **77.5766, 91.7620, 73.2976**, and **28.8010, 44.5595, 19.1395** is the 20% darker color. If you saturate the color by 10%, you get **50.8650, 78.8606, 32.7917**, and if you desaturate by 10%, it is **64.4629, 85.3827, 55.4677**.

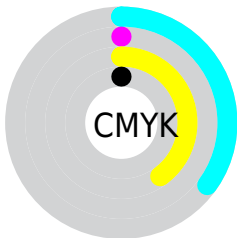
Distribution



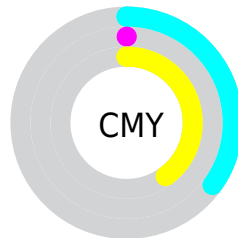
- Red (65%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0268, 81.8192, 42.9241 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 57.0268, 81.8192, 42.9241 by changing the saturation by 10% instead.


 57.0268, 81.8192,
42.9241


 57.0268, 81.8192,
42.9241

403.5623,
501.0427, 374.2116

 41.2670, 61.2165,
29.4946


 99.6354, 135.9204,
80.8814

 28.7163, 44.3999,
19.2065


 127.2149,
170.1878, 106.2464

 19.0095, 30.9850,
11.6413


159.4651,
209.7788, 136.4269

 11.7812, 20.5875,
6.3803

196.7512,
255.0778, 171.8414

 6.6660, 12.8228,
3.0052

239.4386,
306.4694, 212.9087

 3.2986, 7.3066,
1.0973

287.8927,

 1.3136, 3.6546,

364.3378, 260.0471

0.0000

342.4788,
429.0674, 313.6752

■ 0.1933, 1.4823,
0.0000

■ 0.0000, 0.2762,
0.0000

■ 57.0268, 81.8192,
42.9241

■ 57.0268, 81.8192,
42.9241

■ 50.8650, 78.8606,
32.7917

■ 64.4629, 85.3827,
55.4677

■ 45.9041, 76.4724,
24.9124

■ 73.2383, 89.5817,
70.5596

■ 42.0652, 74.6177,
19.1151

■ 83.4152, 94.4453,
88.3308

■ 39.2592, 73.2549,
15.2027

95.0500, 100.0000,
108.9000

■ 37.3829, 72.3357,
12.9403

■ 36.2954, 71.7960,
11.9451

■ 36.2953, 71.7960,
11.9451

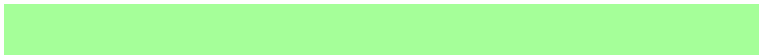
Harmonies

Analogous

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



68.4031, 81.8192, 29.2808



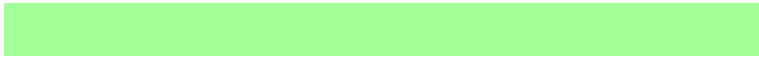
57.0268, 81.8192, 42.9241



51.5142, 81.8192, 72.9825

Triad

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



57.0268, 81.8192, 42.9241



71.9188, 81.8192, 205.2219



110.4176, 81.8192, 63.9413

Complementary

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



57.0268, 81.8192, 42.9241



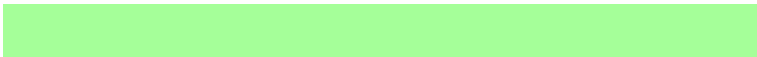
66.4046, 49.0585, 100.5771

Split Complementary

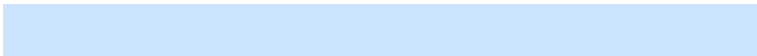
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6972, 81.8192, 107.4022



57.0268, 81.8192, 42.9241



87.9480, 81.8192, 200.2226

Square

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



57.0268, 81.8192, 42.9241



59.2981, 81.8192, 172.1585



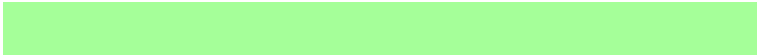
103.0090, 81.8192, 160.1977



99.7197, 81.8192, 38.2523

Rectangle

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



57.0268, 81.8192, 42.9241



51.3263, 81.8192, 102.9110



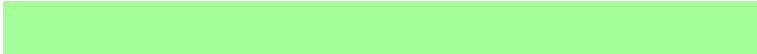
103.0090, 81.8192, 160.1977



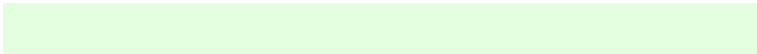
112.0127, 81.8192, 76.5603

Sweetspot

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



57.0272, 81.8194, 42.9254



81.2636, 93.4174, 84.5541



78.5640, 86.7079, 42.7338



17.0998, 19.8547, 17.5832



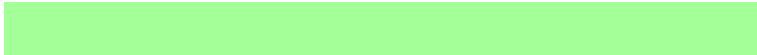
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

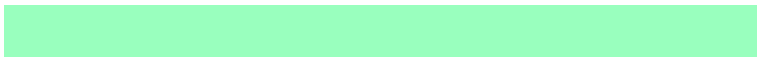
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.0272, 81.8194, 42.9254



51.9983, 79.4053, 34.6318



58.2357, 82.0279, 61.7094



17.9700, 20.2704, 19.1098



19.0273, 37.5470, 6.2445



1.9132, 3.6870, 0.6108

Inverse Universe

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



66.4046, 49.0585, 100.5771



62.5228, 42.5166, 99.5189



65.2345, 49.0845, 72.0923



18.5699, 18.1855, 22.7814



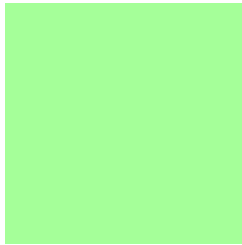
25.7409, 12.1804, 50.4289



2.5633, 1.2153, 4.9128

Previews

White Background



This preview shows how the XYZ color 57.0268, 81.8192, 42.9241 looks on a white background.

Color Contrast Check

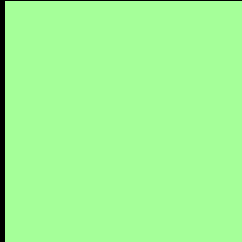
Large Text (above 18pt) WCAG AA × Fail

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 57.0268, 81.8192, 42.9241 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 57.0268, 81.8192, 42.9241

Background



This preview shows how black text looks on a background with the XYZ color 57.0268, 81.8192, 42.9241.

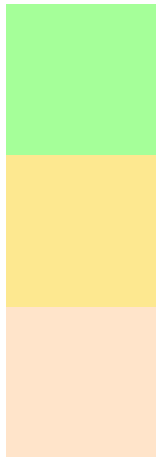


This preview shows how white text looks on a background with the XYZ color 57.0268, 81.8192,

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

57.0268, 81.8192, 42.9241

Protanopia

74.3987, 80.6095, 38.0235

Deuteranopia

79.6441, 81.0111, 67.3161



Tritanopia

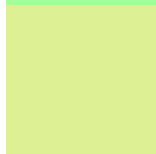
72.2360, 81.4105, 106.5143

Trichromacy



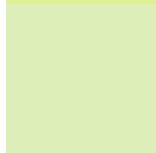
Original Color

57.0268, 81.8192, 42.9241



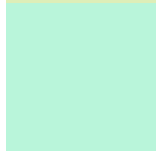
Protanomaly

66.2453, 79.7989, 39.5150



Deuteranomaly

69.3505, 80.1394, 57.1607



Tritanomaly

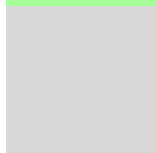
65.3149, 80.6811, 78.4602

Monochromacy



Original Color

57.0268, 81.8192, 42.9241



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.9484, 72.3142, 61.1978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0268, 81.8192, 42.9241 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 57.0268, 81.8192, 42.9241 is called "border". The border property can be set on classes, ids or directly on the HTML element.

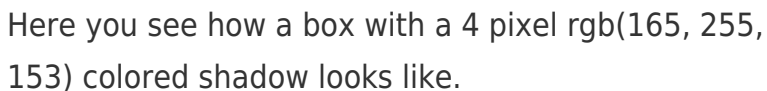
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 255, 153) }
```


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

```
.border{ border-color:rgb(165, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0268, 81.8192, 42.9241 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, 153) }
```

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

```
.background{ background-color: rgb(165,  
255, 153) }
```

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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