

Converting Colors

XYZ(57.1837, 81.9001, 42.9327)

Have a look what the booklet for
XYZ(57.1837, 81.9001, 42.9327)
contains.

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Color

**XYZ(57.2357, 81.9269,
42.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FF99
RGB	166, 255, 153
RGB Percent	65%, 100%, 60%
CMY	0.3490, 0.0000, 0.4000
CMYK	0.35, 0.00, 0.40, 0.00
HSL	112°, 100%, 80%
HSV	112°, 40%, 100%
XYZ	57.2357, 81.9269, 42.9338
YIQ	216.7610, -20.3020, -50.5900

Conversions

Conversions Part 2

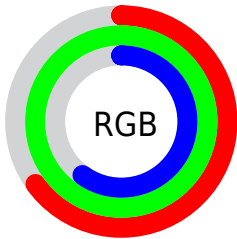
Format	Color
RYB	153, 255, 242
Decimal	10944409
CIELab	92.54, -45.63, 40.48
CIELCh	93, 60.999, 138.420
Yxy	81.9269, 0.3143, 0.4499
Android (android.graphics.Color)	4289134489 (0xFFA6FF99)
YUV	216.7610, -31.4342, -44.5174
Hunter-Lab	90.5135, -45.5251, 35.2361

Details

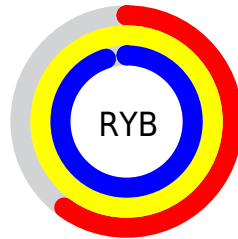
The XYZ color **57.2357, 81.9269, 42.9338** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.0602, 48.8809, 100.5609**, and the grayscale version is **66.0078, 69.4453, 75.6260**.

A 20% lighter version of the original color is **77.8856, 91.9214, 73.3121**, and **28.9247, 44.6233, 19.1453** is the 20% darker color. If you saturate the color by 10%, you get **51.0817, 78.9723, 32.8018**, and if you desaturate by 10%, it is **64.6475, 85.4779, 55.4763**.

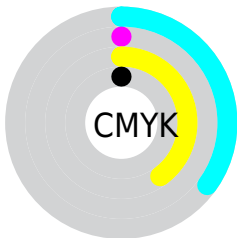
Distribution



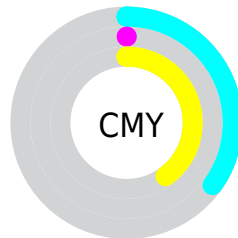
- Red (65%)
- Green (100%)
- Blue (60%)



- 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 57.2357, 81.9269, 42.9338 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 57.2357, 81.9269, 42.9338 by changing the saturation by 10% instead.


 57.2357, 81.9269,
42.9338


 57.2357, 81.9269,
42.9338


404.3318,
501.4031, 374.2527

 41.4354, 61.3053,
29.5022


 99.9384, 136.0715,
80.8962

 28.8486, 44.4716,
19.2122


 127.5715,
170.3632, 106.2641

 19.1100, 31.0414,
11.6453


159.8796,
209.9805, 136.4478

 11.8543, 20.6304,
6.3831

197.2279,
255.3077, 171.8659

 6.7160, 12.8541,
3.0069

239.9820,
306.7291, 212.9369

 3.3299, 7.3282,
1.0981

288.5071,

 1.3305, 3.6682,

364.6292, 260.0793

0.0000

343.1686,
429.3925, 313.7117

0.2059, 1.4897,
0.0000

0.0000, 0.2815,
0.0000

57.2357, 81.9269,
42.9338

57.2357, 81.9269,
42.9338

51.0817, 78.9723,
32.8018

64.6475, 85.4779,
55.4763

46.1139, 76.5806,
24.9222

73.3809, 89.6552,
70.5661

42.2550, 74.7156,
19.1240

83.4966, 94.4872,
88.3345

39.4182, 73.3368,
15.2102

95.0500, 100.0000,
108.9000

■ 37.5028, 72.3975,
12.9459

■ 36.3713, 71.8351,
11.9487

■ 36.3712, 71.8351,
11.9486

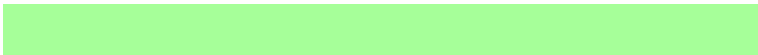
Harmonies

Analogous

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



68.6362, 81.9269, 29.4002



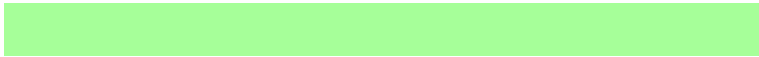
57.2357, 81.9269, 42.9338



51.6802, 81.9269, 72.8149

Triad

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



57.2357, 81.9269, 42.9338



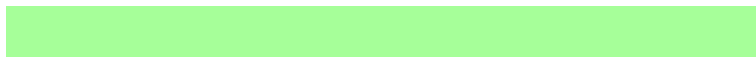
71.9136, 81.9269, 204.8478



110.4882, 81.9269, 64.3837

Complementary

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



57.2357, 81.9269, 42.9338



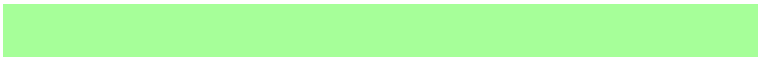
66.0602, 48.8809, 100.5609

Split Complementary

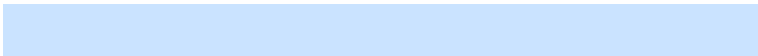
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6800, 81.9269, 107.8854



57.2357, 81.9269, 42.9338



87.8948, 81.9269, 200.1954

Square

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



57.2357, 81.9269, 42.9338



59.3539, 81.9269, 171.6555



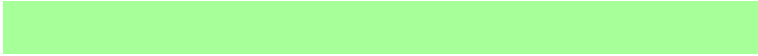
102.9464, 81.9269, 160.5212



99.8823, 81.9269, 38.5713

Rectangle

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



57.2357, 81.9269, 42.9338



51.4586, 81.9269, 102.5960



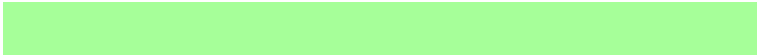
102.9464, 81.9269, 160.5212



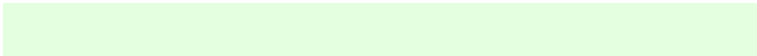
112.0514, 81.9269, 77.0321

Sweetspot

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



57.2361, 81.9271, 42.9351



81.3589, 93.4666, 84.5585



78.5639, 86.7079, 42.7337



17.1221, 19.8662, 17.5843



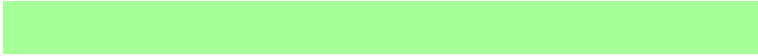
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

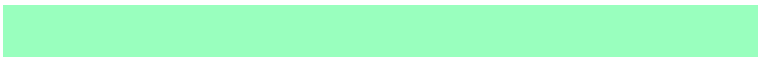
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.2361, 81.9271, 42.9351



52.2147, 79.5168, 34.6420



58.2357, 82.0279, 61.7094



17.9866, 20.2790, 19.1106



19.0710, 37.5695, 6.2465



1.9210, 3.6911, 0.6112

Inverse Universe

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



66.0602, 48.8809, 100.5609



62.1152, 42.3064, 99.4999



65.2344, 49.0845, 72.0923



18.5515, 18.1760, 22.7805



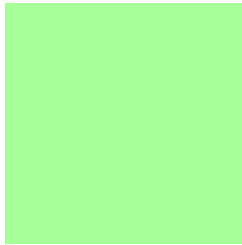
25.3420, 11.9748, 50.4103



2.5284, 1.1973, 4.9111

Previews

White Background



This preview shows how the XYZ color 57.2357, 81.9269, 42.9338 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 57.2357, 81.9269, 42.9338 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

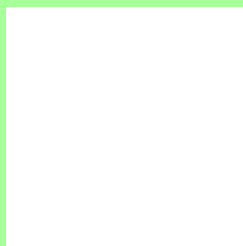
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.2357, 81.9269, 42.9338

Background



This preview shows how black text looks on a background with the XYZ color 57.2357, 81.9269, 42.9338.



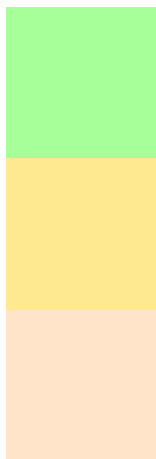
This preview shows how white text looks on a background with the XYZ color 57.2357, 81.9269,

42.9338.

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

57.2357, 81.9269, 42.9338

Protanopia

74.7637, 80.7977, 38.0406

Deuteranopia

79.6441, 81.0111, 67.3161



Tritanopia

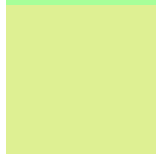
72.4988, 81.5459, 106.5266

Trichromacy



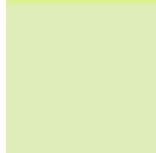
Original Color

57.2357, 81.9269, 42.9338



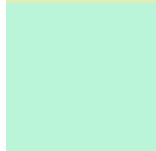
Protanomaly

66.5507, 79.9564, 39.5293



Deuteranomaly

69.6577, 80.2977, 57.1751



Tritanomaly

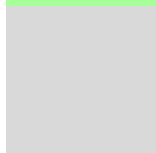
65.5570, 80.8059, 78.4715

Monochromacy



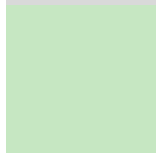
Original Color

57.2357, 81.9269, 42.9338



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.6022, 73.0526, 61.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2357, 81.9269, 42.9338 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(166, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 57.2357, 81.9269, 42.9338 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(166, 255, 153) }
```


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

```
.border{ border-color:rgb(166, 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(166, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2357, 81.9269, 42.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 153) }
```

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

```
.background{ background-color: rgb(166,  
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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