

Converting Colors

XYZ(57.9044, 82.3869, 37.7581)

Have a look what the booklet for
XYZ(57.9044, 82.3869, 37.7581)
contains.

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Color

**XYZ(57.9492, 82.4121,
37.6638)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFF8C
RGB	174, 255, 140
RGB Percent	68%, 100%, 55%
CMY	0.3176, 0.0000, 0.4510
CMYK	0.32, 0.00, 0.45, 0.00
HSL	102°, 100%, 77%
HSV	102°, 45%, 100%
XYZ	57.9492, 82.4121, 37.6638
YIQ	217.6710, -11.3610, -52.9370

Conversions

Conversions Part 2

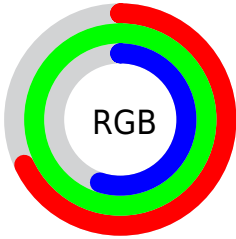
Format	Color
RYB	140, 255, 221
Decimal	11468684
CIELab	92.76, -44.80, 47.12
CIELCh	93, 65.017, 133.559
Yxy	82.4121, 0.3255, 0.4629
Android (android.graphics.Color)	4289658764 (0xFFAEFF8C)
YUV	217.6710, -38.2918, -38.2995
Hunter-Lab	90.7811, -44.9233, 38.9482

Details

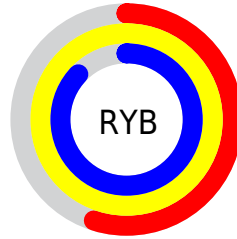
The XYZ color **57.9492, 82.4121, 37.6638** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.2481, 41.3496, 99.5717**, and the grayscale version is **66.6746, 70.1468, 76.3899**.

A 20% lighter version of the original color is **78.8890, 92.6159, 65.3485**, and **29.3856, 44.9278, 16.1400** is the 20% darker color. If you saturate the color by 10%, you get **52.5439, 79.8183, 28.7073**, and if you desaturate by 10%, it is **64.3260, 85.4565, 48.9423**.

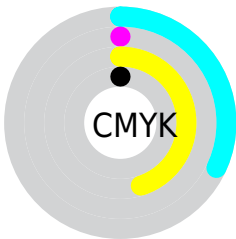
Distribution



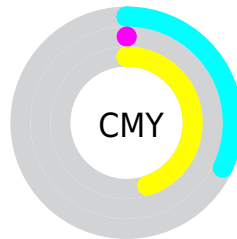
- Red (68%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.9492, 82.4121, 37.6638 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 57.9492, 82.4121, 37.6638 by changing the saturation by 10% instead.


 57.9492, 82.4121,
37.6638

 57.9492, 82.4121,
37.6638


406.9535,
503.0251, 351.4304

 42.0109, 61.7053,
25.4221


 100.9723,
136.7518, 72.7902

 29.3010, 44.7946,
16.1699


 128.7878,
171.1534, 96.5120

 19.4541, 31.2957,
9.4888


161.2930,
210.8887, 124.8975

 12.1048, 20.8241,
4.9602

198.8534,
256.3422, 158.3654

 6.8878, 12.9955,
2.1656

241.8343,
307.8982, 197.3340

 3.4377, 7.4254,
0.6544

290.6011,

 1.3892, 3.7296,

365.9410, 242.2220

0.0000

345.5190,
430.8552, 293.4480

0.2485, 1.5235,
0.0000

0.0000, 0.3052,
0.0000

57.9492, 82.4121,
37.6638

57.9492, 82.4121,
37.6638

52.5439, 79.8183,
28.7073

64.3260, 85.4565,
48.9423

48.0575, 77.6513,
21.9072

71.7208, 88.9721,
62.6853

44.4333, 75.8860,
17.0823

80.1780, 92.9790,
79.0282

41.6071, 74.4939,
14.0198

89.7393, 97.4959,
98.0957

■ 39.5031, 73.4416, 95.0500, 100.0000,
12.4578 108.9000

■ 38.6921, 73.0315,
12.0572

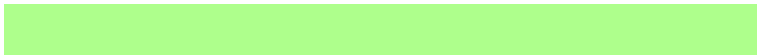
Harmonies

Analogous

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



70.9351, 82.4121, 26.1422



57.9492, 82.4121, 37.6638



51.0446, 82.4121, 65.8218

Triad

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



57.9492, 82.4121, 37.6638



69.4629, 82.4121, 212.3306



114.4781, 82.4121, 69.5804

Complementary

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



57.9492, 82.4121, 37.6638



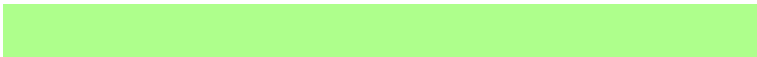
57.2481, 41.3496, 99.5717

Split Complementary

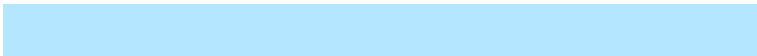
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.9324, 82.4121, 118.8292



57.9492, 82.4121, 37.6638



86.2223, 82.4121, 214.4960

Square

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



57.9492, 82.4121, 37.6638



57.0060, 82.4121, 170.6470



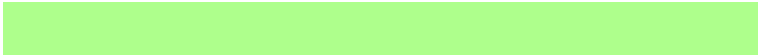
103.0043, 82.4121, 175.7947



104.4022, 82.4121, 39.5561

Rectangle

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



57.9492, 82.4121, 37.6638



50.0961, 82.4121, 95.6520



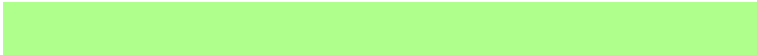
103.0043, 82.4121, 175.7947



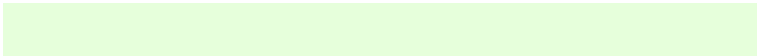
115.5704, 82.4121, 84.0629

Sweetspot

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



57.9496, 82.4123, 37.6650



81.1721, 93.4492, 80.9844



71.6987, 74.6033, 35.4331



16.9583, 19.8052, 16.5170



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.



57.9496, 82.4123, 37.6650



53.0910, 80.0815, 29.5813



53.1868, 79.7402, 47.2397



18.2762, 20.4283, 19.1241



20.3467, 38.2272, 6.3062



2.0849, 3.7756, 0.6189

Inverse Universe

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



57.2481, 41.3496, 99.5717



52.2627, 34.3525, 98.4839



65.1841, 45.8433, 81.7575



18.2390, 18.0149, 22.7659



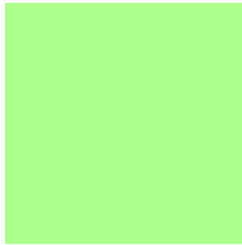
19.3764, 8.8994, 50.1311



1.9962, 0.9230, 4.8862

Previews

White Background



This preview shows how the XYZ color 57.9492, 82.4121, 37.6638 looks on a white background.

Color Contrast Check

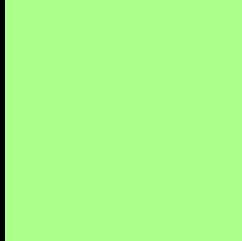
Large Text (above 18pt) WCAG AA × Fail

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 57.9492, 82.4121, 37.6638 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

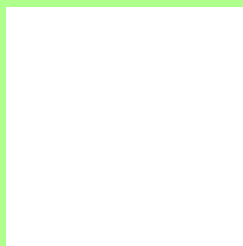
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.9492, 82.4121, 37.6638

Background



This preview shows how black text looks on a background with the XYZ color 57.9492, 82.4121, 37.6638.



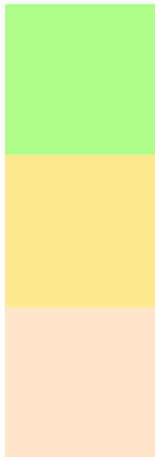
This preview shows how white text looks on a background with the XYZ color 57.9492, 82.4121,

37.6638.

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

57.9492, 82.4121, 37.6638

Protanopia

75.0391, 81.4019, 36.1833

Deuteranopia

79.9200, 81.5629, 67.4081



Tritanopia

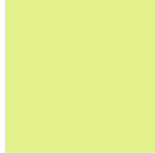
73.8387, 82.2367, 106.5893

Trichromacy



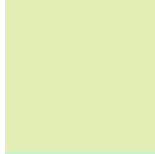
Original Color

57.9492, 82.4121, 37.6638



Protanomaly

67.4795, 80.9434, 36.4932



Deuteranomaly

70.0752, 80.5725, 54.5065



Tritanomaly

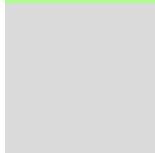
66.4009, 81.3154, 75.1465

Monochromacy



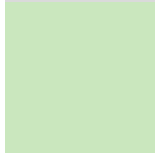
Original Color

57.9492, 82.4121, 37.6638



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.2273, 73.4261, 59.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9492, 82.4121, 37.6638 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(174, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 140)  
}
```

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(174, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 57.9492, 82.4121, 37.6638 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(174, 255, 140) }
```


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

```
.border{ border-color:rgb(174, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9492, 82.4121, 37.6638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 140) }
```

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

```
.background{ background-color: rgb(174,  
255, 140) }
```

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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