

Converting Colors

XYZ(57.7370, 82.0767, 47.8675)

Have a look what the booklet for
XYZ(57.7370, 82.0767, 47.8675)
contains.

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Color

**XYZ(57.7707, 82.0928,
47.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FFA4
RGB	164, 255, 164
RGB Percent	64%, 100%, 64%
CMY	0.3569, 0.0000, 0.3569
CMYK	0.36, 0.00, 0.36, 0.00
HSL	120°, 100%, 82%
HSV	120°, 36%, 100%
XYZ	57.7707, 82.0928, 47.9226
YIQ	217.4170, -25.0250, -47.5930

Conversions

Conversions Part 2

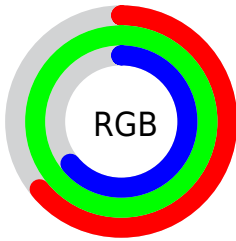
Format	Color
RYB	164, 255, 255
Decimal	10813348
CIELab	92.62, -44.63, 35.14
CIELCh	93, 56.803, 141.790
Yxy	82.0928, 0.3076, 0.4372
Android (android.graphics.Color)	4289003428 (0xFFA4FFA4)
YUV	217.4170, -26.3346, -46.8467
Hunter-Lab	90.6051, -44.7455, 32.0640

Details

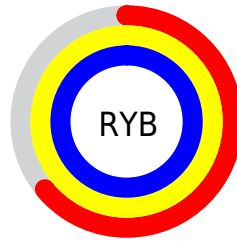
The XYZ color **57.7707, 82.0928, 47.9226** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.5655, 55.0313, 101.4042**, and the grayscale version is **66.4267, 69.8861, 76.1060**.

A 20% lighter version of the original color is **78.8025, 92.2169, 81.3565**, and **29.2477, 44.7240, 22.1300** is the 20% darker color. If you saturate the color by 10%, you get **50.9483, 78.8157, 36.7638**, and if you desaturate by 10%, it is **66.1108, 86.0990, 61.5648**.

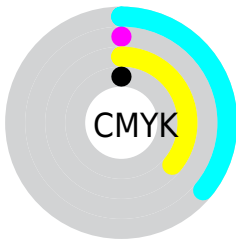
Distribution



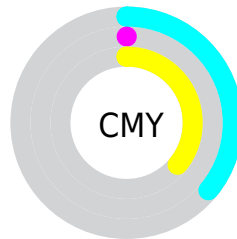
- Red (64%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7707, 82.0928, 47.9226 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 57.7707, 82.0928, 47.9226 by changing the saturation by 10% instead.


 57.7707, 82.0928,
47.9226


 57.7707, 82.0928,
47.9226


406.2986,
501.9581, 394.9851

 41.8669, 61.4420,
33.4060


 100.7138,
136.3041, 88.4535

 29.1877, 44.5820,
22.1640


 128.4837,
170.6335, 115.3049

 19.3679, 31.1283,
13.7780


160.9397,
210.2912, 147.1050

 12.0420, 20.6966,
7.8294

198.4472,
255.6615, 184.2724

 6.8447, 12.9024,
3.8998

241.3715,
307.1290, 227.2256

 3.4106, 7.3614,
1.5705


290.0779,


 1.3744, 3.6891,

365.0780, 276.3830


0.2697


344.9318,
429.8929, 332.1634


 0.2379, 1.5012,
0.0000


 0.0000, 0.2896,
0.0000


 57.7707, 82.0928,
47.9226


 57.7707, 82.0928,
47.9226


 50.9483, 78.8157,
36.7638


 66.1108, 86.0990,
61.5648

 45.5511, 76.2231,
27.9355

 76.0507, 90.8737,
77.8234

 41.4784, 74.2668,
21.2739

 87.6685, 96.4543,
96.8262

 38.6163, 72.8920,
16.5923

95.0500, 100.0000,
108.9000

■ 36.8314, 72.0346,
13.6726

■ 35.9585, 71.6153,
12.2447

■ 35.7600, 71.5200,
11.9201

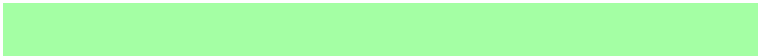
Harmonies

Analogous

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



67.9520, 82.0928, 33.1335



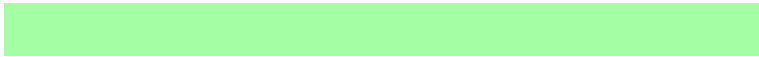
57.7707, 82.0928, 47.9226



53.1574, 82.0928, 78.2653

Triad

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



57.7707, 82.0928, 47.9226



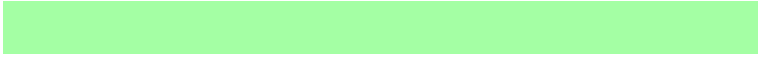
74.0408, 82.0928, 196.4769



107.4812, 82.0928, 62.4643

Complementary

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



57.7707, 82.0928, 47.9226



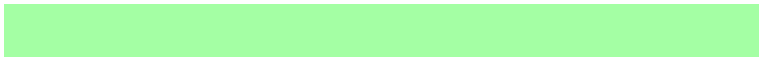
72.5655, 55.0313, 101.4042

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.



109.6473, 82.0928, 101.5112



57.7707, 82.0928, 47.9226



89.0511, 82.0928, 188.1814

Square

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



57.7707, 82.0928, 47.9226



61.7448, 82.0928, 169.7387



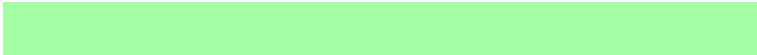
102.5377, 82.0928, 149.7267



96.9455, 82.0928, 39.4962

Rectangle

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



57.7707, 82.0928, 47.9226



53.3962, 82.0928, 107.0554



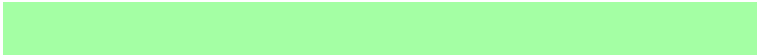
102.5377, 82.0928, 149.7267



109.2613, 82.0928, 73.7748

Sweetspot

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



57.7712, 82.0931, 47.9239



81.2811, 93.3861, 86.3785



83.7010, 95.4604, 49.1368



17.0653, 19.8289, 17.9453



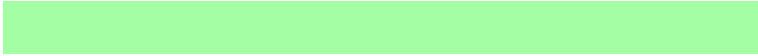
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

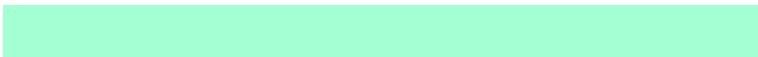
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7712, 82.0931, 47.9239



52.6368, 79.6268, 39.5256



62.6409, 84.0410, 73.5671



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



72.5655, 55.0313, 101.4042



69.4687, 48.8378, 100.3717



66.0864, 52.4397, 67.2859



18.7928, 18.3004, 22.7917



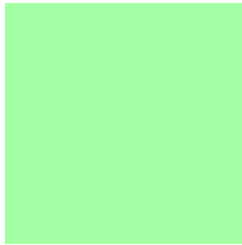
30.9800, 14.8813, 50.6726



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 57.7707, 82.0928, 47.9226 looks on a white background.

Color Contrast Check

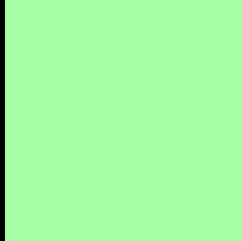
Large Text (above 18pt) WCAG AA × Fail

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 57.7707, 82.0928, 47.9226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

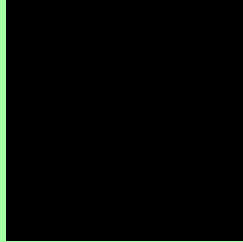
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

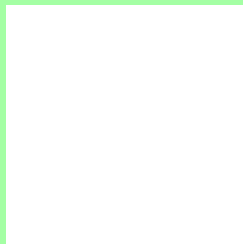
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.7707, 82.0928, 47.9226

Background



This preview shows how black text looks on a background with the XYZ color 57.7707, 82.0928, 47.9226.



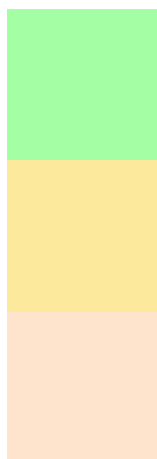
This preview shows how white text looks on a background with the XYZ color 57.7707, 82.0928,

47.9226.

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

57.7707, 82.0928, 47.9226

Protanopia

75.2002, 81.3398, 42.7470

Deuteranopia

80.0028, 81.1546, 69.2054



Tritanopia

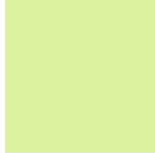
72.2360, 81.4105, 106.5143

Trichromacy



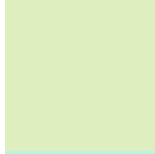
Original Color

57.7707, 82.0928, 47.9226



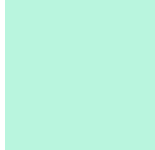
Protanomaly

67.1421, 80.5949, 44.3654



Deuteranomaly

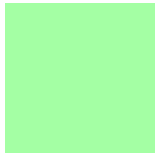
69.9930, 80.3964, 60.5442



Tritanomaly

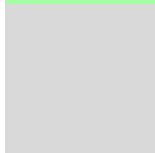
65.8448, 80.8930, 81.2508

Monochromacy



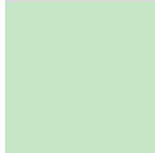
Original Color

57.7707, 82.0928, 47.9226



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0577, 73.2348, 64.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7707, 82.0928, 47.9226 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(164, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 164)  
}
```

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(164, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 57.7707, 82.0928, 47.9226 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(164, 255, 164) }
```


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

```
.border{ border-color:rgb(164, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7707, 82.0928, 47.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 164) }
```

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

```
.background{ background-color: rgb(164,  
255, 164) }
```

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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