

Converting Colors

XYZ(49.9097, 78.3877, 31.8621)

Have a look what the booklet for
XYZ(49.9097, 78.3877, 31.8621)
contains.

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Color

**XYZ(49.9429, 78.4039,
31.9032)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFF7D
RGB	138, 255, 125
RGB Percent	54%, 100%, 49%
CMY	0.4588, 0.0000, 0.5098
CMYK	0.46, 0.00, 0.51, 0.00
HSL	114°, 100%, 75%
HSV	114°, 51%, 100%
XYZ	49.9429, 78.4039, 31.9032
YIQ	205.1970, -28.0020, -65.2340

Conversions

Conversions Part 2

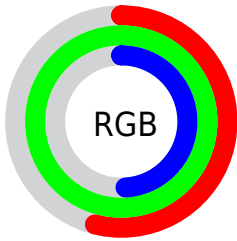
Format	Color
RYB	125, 255, 242
Decimal	9109373
CIELab	90.96, -57.58, 51.58
CIELCh	91, 77.304, 138.143
Yxy	78.4039, 0.3117, 0.4893
Android (android.graphics.Color)	4287299453 (0xFF8AFF7D)
YUV	205.1970, -39.5371, -58.9318
Hunter-Lab	88.5460, -54.2755, 40.6199

Details

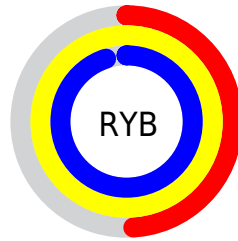
The XYZ color **49.9429, 78.4039, 31.9032** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62.0029, 40.7658, 99.2084**, and the grayscale version is **58.4103, 61.4521, 66.9214**.

A 20% lighter version of the original color is **67.0242, 86.6856, 56.3795**, and **24.1965, 41.9782, 12.9582** is the 20% darker color. If you saturate the color by 10%, you get **45.1131, 76.0788, 24.2379**, and if you desaturate by 10%, it is **55.9938, 81.3103, 41.8105**.

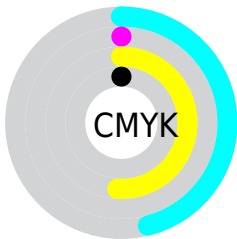
Distribution



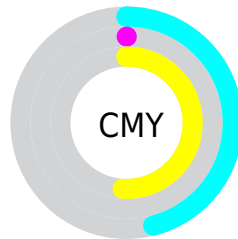
- Red (54%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9429, 78.4039, 31.9032 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 49.9429, 78.4039, 31.9032 by changing the saturation by 10% instead.


 49.9429, 78.4039,
31.9032


 49.9429, 78.4039,
31.9032


376.8983,
489.5374, 325.1572


 35.5856, 58.4058,
21.0234


 89.2826, 131.1193,
63.7555

 24.2830, 42.1350,
12.9497


 114.9957,
164.6055, 85.5649

 15.6695, 29.2070,
7.2636


 145.2249,
203.3565, 111.8547

 9.3800, 19.2375,
3.5465

180.3354,
247.7567, 143.0434

 5.0489, 11.8420,
1.3800

220.6927,
298.1905, 179.5494

 2.3111, 6.6362,
0.1261


266.6620,


 0.8003, 3.2356,


355.0423, 221.7914


0.0000


318.6087,
418.6964, 270.1878

 0.0000, 1.2560,
0.0000

 0.0000, 0.1067,
0.0000


 49.9429, 78.4039,
31.9032


 49.9429, 78.4039,
31.9032


 45.1131, 76.0788,
24.2379


 55.9938, 81.3103,
41.8105


 41.4198, 74.2949,
18.6365

 63.3405, 84.8329,
54.1121

 38.7688, 73.0083,
14.8998

 72.0528, 89.0049,
68.9515

 37.0504, 72.1674,
12.7877

 82.1954, 93.8566,
86.4595

■ 36.1732, 71.7330,
11.9393

93.8288, 99.4166,
106.7583

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.



63.4468, 78.4039, 18.5937



49.9429, 78.4039, 31.9032



43.5262, 78.4039, 65.1566

Triad

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



49.9429, 78.4039, 31.9032



67.0812, 78.4039, 239.4248



116.1184, 78.4039, 56.1128

Complementary

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



49.9429, 78.4039, 31.9032



62.0029, 40.7658, 99.2084

Split Complementary

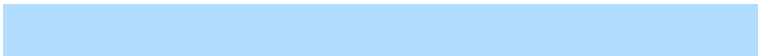
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.5544, 78.4039, 109.3797



49.9429, 78.4039, 31.9032



86.8132, 78.4039, 233.4156

Square

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



49.9429, 78.4039, 31.9032



52.2023, 78.4039, 192.8885



106.0715, 78.4039, 178.9058



102.4356, 78.4039, 27.7759

Rectangle

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



49.9429, 78.4039, 31.9032



43.2321, 78.4039, 101.4960



106.0715, 78.4039, 178.9058



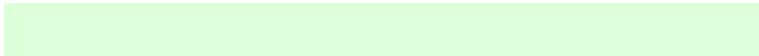
118.1268, 78.4039, 71.0469

Sweetspot

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



49.9433, 78.4041, 31.9044



77.9412, 91.8222, 79.0908



76.6941, 86.2452, 32.0080



16.2256, 19.4351, 16.1398



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.



49.9433, 78.4041, 31.9044



45.1042, 76.0745, 24.2241



52.1540, 79.0546, 54.1063



17.9400, 20.2550, 19.1084



18.9563, 37.5104, 6.2411



1.8991, 3.6798, 0.6102

Inverse Universe

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



62.0029, 40.7658, 99.2084



58.3026, 34.6579, 98.2245



59.3537, 40.2400, 61.1396



18.6031, 18.2027, 22.7829



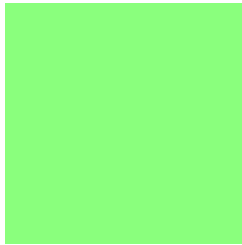
26.4730, 12.5578, 50.4632



2.6272, 1.2483, 4.9157

Previews

White Background



This preview shows how the XYZ color 49.9429, 78.4039, 31.9032 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 49.9429, 78.4039, 31.9032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

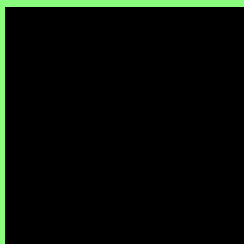
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

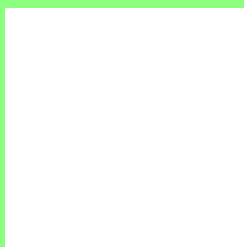
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9429, 78.4039, 31.9032

Background



This preview shows how black text looks on a background with the XYZ color 49.9429, 78.4039, 31.9032.

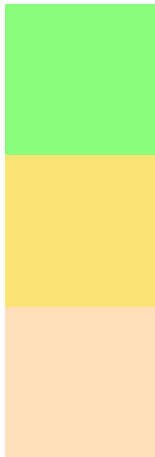


This preview shows how white text looks on a background with the XYZ color 49.9429, 78.4039, 31.9032.

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

49.9429, 78.4039, 31.9032

Protanopia

70.6794, 77.2570, 27.7099

Deuteranopia

76.1182, 77.0053, 56.7506



Tritanopia

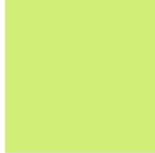
66.5290, 77.5992, 106.0794

Trichromacy



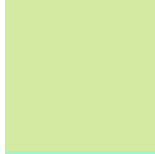
Original Color

49.9429, 78.4039, 31.9032



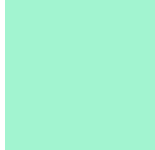
Protanomaly

60.4827, 76.1826, 28.9697



Deuteranomaly

63.1851, 75.4870, 45.8906



Tritanomaly

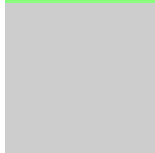
58.6361, 76.9368, 71.4343

Monochromacy



Original Color

49.9429, 78.4039, 31.9032



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.2802, 65.7337, 50.9540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9429, 78.4039, 31.9032 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(138, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 125)  
}
```

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(138, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 49.9429, 78.4039, 31.9032 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(138, 255, 125) }
```


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

```
.border{ border-color:rgb(138, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 255, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 255, 125); box-shadow:4px 4px 4px 4px rgb(138, 255, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9429, 78.4039, 31.9032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 125) }
```

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

```
.background{ background-color: rgb(138,  
255, 125) }
```

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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