

Converting Colors

XYZ(49.2041, 78.1349, 26.8167)

Have a look what the booklet for
XYZ(49.2041, 78.1349, 26.8167)
contains.

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Color

**XYZ(49.1678, 78.1131,
26.9539)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8BFF6D |
| RGB | 139, 255, 109 |
| RGB Percent | 55%, 100%, 43% |
| CMY | 0.4549, 0.0000, 0.5725 |
| CMYK | 0.45, 0.00, 0.57, 0.00 |
| HSL | 108°, 100%, 71% |
| HSV | 108°, 57%, 100% |
| XYZ | 49.1678, 78.1131, 26.9539 |
| YIQ | 203.6720, -22.2700, -69.9980 |

Conversions

Conversions Part 2

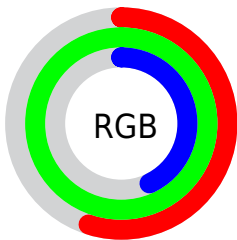
| Format | Color |
|-------------------------------------|--|
| RYB | 109, 255, 225 |
| Decimal | 9174893 |
| CIELab | 90.83, -59.11, 58.61 |
| CIELCh | 91, 83.240, 135.239 |
| Yxy | 78.1131, 0.3188, 0.5065 |
| Android (android.graphics.Color) | 4287364973 (0xFF8BFF6D) |
| YUV | 203.6720, -46.6733, -56.7173 |
| Hunter-Lab | 88.3816, -55.3660, 43.7854 |

Details

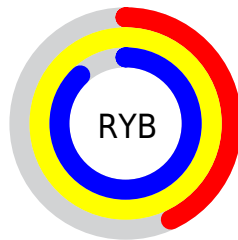
The XYZ color **49.1678, 78.1131, 26.9539** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **54.5715, 34.1663, 98.3263**, and the grayscale version is **57.4827, 60.4762, 65.8586**.

A 20% lighter version of the original color is **66.0140, 86.3424, 48.3084**, and **23.7740, 41.8185, 10.3088** is the 20% darker color. If you saturate the color by 10%, you get **44.9130, 76.0559, 20.5991**, and if you desaturate by 10%, it is **54.4483, 80.6530, 35.4369**.

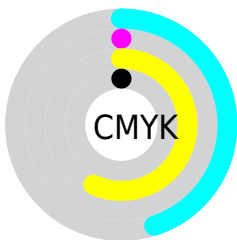
Distribution



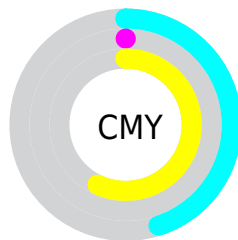
- Red (55%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1678, 78.1131, 26.9539 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 49.1678, 78.1131, 26.9539 by changing the saturation by 10% instead.


 49.1678, 78.1131,
26.9539

 49.1678, 78.1131,
26.9539


373.9085,
488.5508, 301.1870


 34.9677, 58.1669,
17.3065


 88.1398, 130.7095,
55.8127


 23.8044, 41.9428,
10.2890


 113.6425,
164.1286, 75.8612

 15.3125, 29.0565,
5.4829


 143.6434,
202.8073, 100.2138

 9.1268, 19.1236,
2.4696

 178.5078,
247.1302, 129.2890

 4.8817, 11.7596,
0.8240

218.6012,
297.4816, 163.5053

 2.2121, 6.5802,
0.0000

264.2889,

 0.7491, 3.2010,

354.2459, 203.2814

0.0000

315.9362,
417.8075, 249.0358

0.0000, 1.2375,
0.0000

0.0000, 0.0921,
0.0000

49.1678, 78.1131,
26.9539

49.1678, 78.1131,
26.9539

44.9130, 76.0559,
20.5991

54.4483, 80.6530,
35.4369

41.6127, 74.4489,
16.1804

60.8168, 83.7042,
46.2107

39.1874, 73.2560,
13.4771

68.3317, 87.2936,
59.4263

37.5408, 72.4336,
12.2036

77.0468, 91.4458,
75.2207

■ 37.1965, 72.2605,
11.9872

■ 87.0123, 96.1840,
93.7208

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.



64.1558, 78.1131, 15.2565



49.1678, 78.1131, 26.9539



41.7192, 78.1131, 58.9260

Triad

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



49.1678, 78.1131, 26.9539



64.4512, 78.1131, 252.3828



120.2605, 78.1131, 58.2002

Complementary

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



49.1678, 78.1131, 26.9539



54.5715, 34.1663, 98.3263

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.



120.3807, 78.1131, 117.9431



49.1678, 78.1131, 26.9539



85.3382, 78.1131, 251.8681

Square

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



49.1678, 78.1131, 26.9539



49.3488, 78.1131, 196.0118



106.6596, 78.1131, 194.8252



106.3569, 78.1131, 26.6384

Rectangle

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



49.1678, 78.1131, 26.9539



40.9340, 78.1131, 96.0223



106.6596, 78.1131, 194.8252



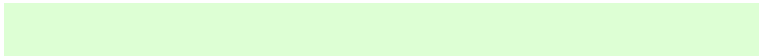
121.9895, 78.1131, 74.9506

Sweetspot

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



49.1681, 78.1132, 26.9551



77.2835, 91.5585, 75.6554



70.4865, 75.3362, 25.2955



16.1446, 19.4082, 15.4656



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.



49.1681, 78.1132, 26.9551



44.2698, 75.7437, 19.6934



47.6020, 76.9854, 41.3612



18.1201, 20.3478, 19.1168



19.5333, 37.8078, 6.2681



1.9868, 3.7250, 0.6143

Inverse Universe

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



54.5715, 34.1663, 98.3263



50.0177, 27.8559, 97.3482



58.8000, 37.0345, 67.4231



18.4057, 18.1009, 22.7737



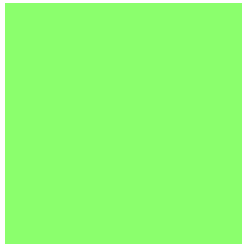
22.3721, 10.4437, 50.2713



2.2661, 1.0621, 4.8988

Previews

White Background



This preview shows how the XYZ color 49.1678, 78.1131, 26.9539 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 49.1678, 78.1131, 26.9539 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

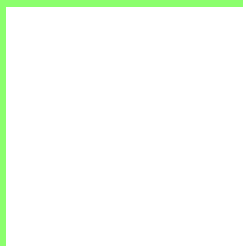
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1678, 78.1131, 26.9539

Background



This preview shows how black text looks on a background with the XYZ color 49.1678, 78.1131, 26.9539.

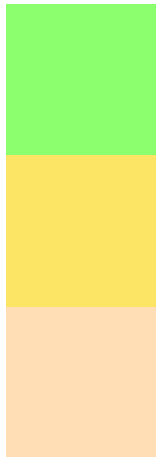


This preview shows how white text looks on a background with the XYZ color 49.1678, 78.1131,

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

49.1678, 78.1131, 26.9539

Protanopia

70.1885, 77.1024, 23.2395

Deuteranopia

75.8048, 76.8800, 55.0999



Tritanopia

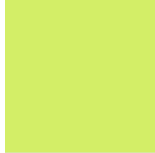
66.5290, 77.5992, 106.0794

Trichromacy



Original Color

49.1678, 78.1131, 26.9539



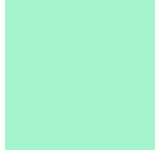
Protanomaly

59.8867, 75.9772, 24.3407



Deuteranomaly

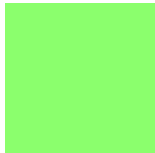
62.7798, 75.3583, 42.2471



Tritanomaly

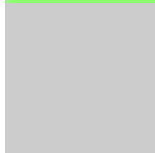
58.1156, 76.7522, 67.6287

Monochromacy



Original Color

49.1678, 78.1131, 26.9539



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.3715, 65.3432, 47.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1678, 78.1131, 26.9539 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(139, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 109)  
}
```

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(139, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 109) }
```

Border

The CSS property to change the border of an element to XYZ 49.1678, 78.1131, 26.9539 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(139, 255, 109) }
```


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

```
.border{ border-color:rgb(139, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1678, 78.1131, 26.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 109) }
```

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

```
.background{ background-color: rgb(139,  
255, 109) }
```

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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