

Converting Colors

XYZ(62.9533, 104.6615,
34.2382)

Have a look what the booklet for
XYZ(62.9533, 104.6615, 34.2382)
contains.

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Color

**XYZ(49.9050, 78.4274,
29.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFF77
RGB	140, 255, 119
RGB Percent	55%, 100%, 47%
CMY	0.4510, 0.0000, 0.5333
CMYK	0.45, 0.00, 0.53, 0.00
HSL	111°, 100%, 73%
HSV	111°, 53%, 100%
XYZ	49.9050, 78.4274, 29.9605
YIQ	205.1110, -24.8840, -66.6760

Conversions

Conversions Part 2

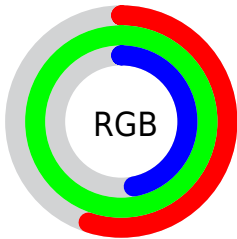
Format	Color
RYB	119, 255, 234
Decimal	9240439
CIELab	90.97, -57.73, 54.35
CIELCh	91, 79.288, 136.723
Yxy	78.4274, 0.3153, 0.4955
Android (android.graphics.Color)	4287430519 (0xFF8CFF77)
YUV	205.1110, -42.4527, -57.1023
Hunter-Lab	88.5592, -54.3902, 41.9331

Details

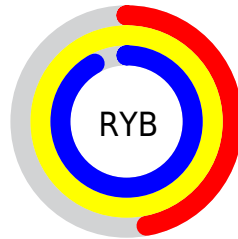
The XYZ color **49.9050, 78.4274, 29.9605** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **58.5801, 37.9076, 98.8371**, and the grayscale version is **58.3719, 61.4118, 66.8774**.

A 20% lighter version of the original color is **66.9532, 86.7181, 53.2539**, and **24.1448, 41.9764, 11.8307** is the 20% darker color. If you saturate the color by 10%, you get **45.2889, 76.2015, 22.7947**, and if you desaturate by 10%, it is **55.6444, 81.1848, 39.3254**.

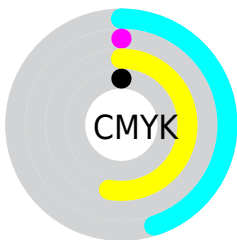
Distribution



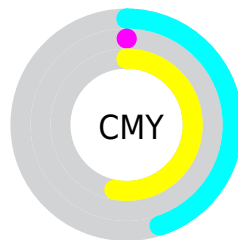
- Red (55%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9050, 78.4274, 29.9605 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 49.9050, 78.4274, 29.9605 by changing the saturation by 10% instead.


 49.9050, 78.4274,
29.9605

 49.9050, 78.4274,
29.9605


376.7525,
489.6171, 315.9219


 35.5554, 58.4251,
19.5568


 89.2268, 131.1524,
60.6600

 24.2595, 42.1505,
11.8924


 114.9297,
164.6440, 81.7928

 15.6520, 29.2192,
6.5488


 145.1477,
203.4008, 107.3392

 9.3675, 19.2467,
3.1074

180.2462,
247.8073, 137.7175

 5.0407, 11.8487,
1.1498

220.5906,
298.2477, 173.3464

 2.3062, 6.6407,
0.0000

266.5462,

 0.7978, 3.2384,

355.1066, 214.6444

0.0000

318.4784,
418.7682, 262.0301

0.0000, 1.2574,
0.0000

0.0000, 0.1079,
0.0000

49.9050, 78.4274,
29.9605

49.9050, 78.4274,
29.9605

45.2889, 76.2015,
22.7947

55.6444, 81.1848,
39.3254

41.7199, 74.4719,
17.6451

62.5746, 84.5052,
51.0452

39.1131, 73.1992,
14.3055

70.7587, 88.4180,
65.2659

37.3691, 72.3378,
12.5235

80.2549, 92.9503,
82.1206

■ 36.6108, 71.9586,
11.9598

■ 91.1180, 98.1276,
101.7328

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.



64.0163, 78.4274, 17.3863



49.9050, 78.4274, 29.9605



43.0307, 78.4274, 62.5167

Triad

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



49.9050, 78.4274, 29.9605



66.0557, 78.4274, 243.6820



117.7687, 78.4274, 57.4629

Complementary

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



49.9050, 78.4274, 29.9605



58.5801, 37.9076, 98.8371

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.



118.5824, 78.4274, 113.2656



49.9050, 78.4274, 29.9605



86.1645, 78.4274, 240.2496

Square

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



49.9050, 78.4274, 29.9605



51.1669, 78.4274, 193.2871



106.1907, 78.4274, 185.3257



104.1338, 78.4274, 27.6908

Rectangle

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



49.9050, 78.4274, 29.9605



42.5036, 78.4274, 98.9469



106.1907, 78.4274, 185.3257



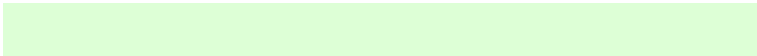
119.6258, 78.4274, 73.1391

Sweetspot

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



49.9053, 78.4275, 29.9617



77.5897, 91.6789, 77.3587



73.5207, 80.4934, 29.1158



16.1813, 19.4198, 15.8000



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.



49.9053, 78.4275, 29.9617



45.0187, 76.0709, 22.3899



50.0995, 78.1347, 47.7222



18.0326, 20.3027, 19.1127



19.2071, 37.6397, 6.2529



1.9425, 3.7022, 0.6122

Inverse Universe

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



58.5801, 37.9076, 98.8371



54.4299, 31.6302, 97.8442



59.4288, 39.0912, 65.1692



18.5010, 18.1500, 22.7781



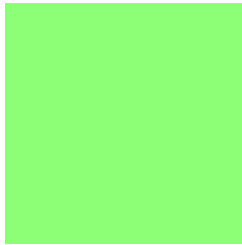
24.2755, 11.4250, 50.3604



2.4347, 1.1490, 4.9067

Previews

White Background



This preview shows how the XYZ color 49.9050, 78.4274, 29.9605 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 49.9050, 78.4274, 29.9605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

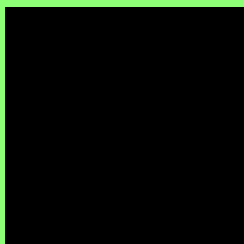
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

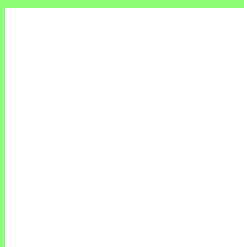
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9050, 78.4274, 29.9605

Background



This preview shows how black text looks on a background with the XYZ color 49.9050, 78.4274, 29.9605.

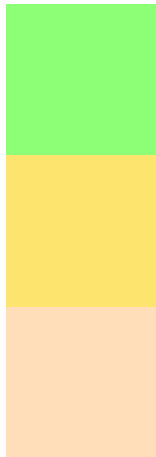


This preview shows how white text looks on a background with the XYZ color 49.9050, 78.4274,

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

49.9050, 78.4274, 29.9605

Protanopia

70.7028, 77.3080, 25.9474

Deuteranopia

76.1182, 77.0053, 56.7506



Tritanopia

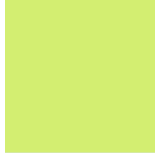
66.7560, 77.7162, 106.0901

Trichromacy



Original Color

49.9050, 78.4274, 29.9605



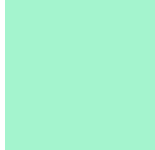
Protanomaly

60.4191, 76.1902, 27.1445



Deuteranomaly

63.2964, 75.5650, 44.9676



Tritanomaly

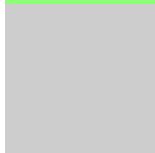
58.8011, 77.0501, 70.1655

Monochromacy



Original Color

49.9050, 78.4274, 29.9605



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.0837, 65.6551, 49.9193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9050, 78.4274, 29.9605 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(140, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 119)  
}
```

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(140, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 119) }
```

Border

The CSS property to change the border of an element to XYZ 49.9050, 78.4274, 29.9605 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(140, 255, 119) }
```


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

```
.border{ border-color:rgb(140, 255, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9050, 78.4274, 29.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 119) }
```

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

```
.background{ background-color: rgb(140,  
255, 119) }
```

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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