

Converting Colors

XYZ(67.8746, 113.8455,
51.6960)

Have a look what the booklet for
XYZ(67.8746, 113.8455, 51.6960)
contains.

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Color

**XYZ(49.9903, 78.1230,
45.7022)**

Conversions

Conversions Part 1

Format	Color
Hex	79FFA0
RGB	121, 255, 160
RGB Percent	47%, 100%, 63%
CMY	0.5255, 0.0000, 0.3725
CMYK	0.53, 0.00, 0.37, 0.00
HSL	137°, 100%, 74%
HSV	137°, 53%, 100%
XYZ	49.9903, 78.1230, 45.7022
YIQ	204.1040, -49.3690, -57.9530

Conversions

Conversions Part 2

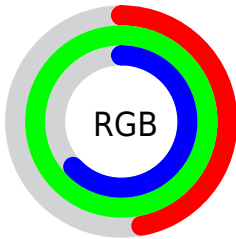
Format	Color
RYB	121, 225, 255
Decimal	7995296
CIELab	90.84, -56.90, 34.45
CIELCh	91, 66.517, 148.804
Yxy	78.1230, 0.2876, 0.4495
Android (android.graphics.Color)	4286185376 (0xFF79FFA0)
YUV	204.1040, -21.7433, -72.8822
Hunter-Lab	88.3872, -53.7211, 31.2141

Details

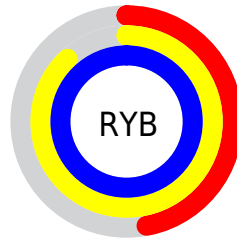
The XYZ color **49.9903, 78.1230, 45.7022** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.4721, 39.8930, 69.4780**, and the grayscale version is **57.6157, 60.6162, 66.0110**.

A 20% lighter version of the original color is **67.0818, 86.2501, 77.4023**, and **24.2510, 41.8348, 20.7067** is the 20% darker color. If you saturate the color by 10%, you get **45.4084, 75.9306, 37.8243**, and if you desaturate by 10%, it is **55.7475, 80.8947, 54.8381**.

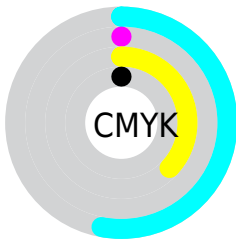
Distribution



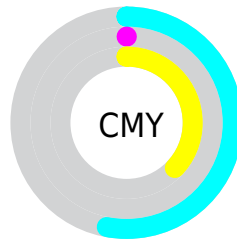
- Red (47%)
- Green (100%)
- Blue (63%)



- Red (47%)
- Yellow (88%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9903, 78.1230, 45.7022 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 49.9903, 78.1230, 45.7022 by changing the saturation by 10% instead.


 49.9903, 78.1230,
45.7022


 49.9903, 78.1230,
45.7022


377.0806,
488.5844, 385.8528


 35.6235, 58.1750,
31.6639


 89.3524, 130.7235,
85.1027

 24.3123, 41.9494,
20.8422


 115.0784,
164.1448, 111.3020

 15.6914, 29.0617,
12.8186


 145.3215,
202.8260, 142.3921

 9.3955, 19.1275,
7.1745

180.4470,
247.1515, 178.7915

 5.0592, 11.7624,
3.4914

220.8203,
297.5057, 220.9187

 2.3172, 6.5821,
1.3507

266.8068,

 0.8034, 3.2022,

354.2730, 269.1923

0.1028

318.7718,
417.8378, 324.0308

■ 0.0000, 1.2382,
0.0000

■ 0.0000, 0.0926,
0.0000

■ 49.9903, 78.1230,
45.7022

■ 49.9903, 78.1230,
45.7022

■ 45.4084, 75.9306,
37.8243

■ 55.7475, 80.8947,
54.8381

■ 41.9143, 74.2735,
31.1451

■ 62.7556, 84.2836,
65.2802

■ 39.4099, 73.1025,
25.6057

■ 71.0855, 88.3253,
77.0790

■ 37.7772, 72.3579,
21.1408

■ 80.8023, 93.0524,
90.2809

■ 37.0034, 72.0174,
18.4678

■ 91.9666, 98.4951,
104.9303

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.



59.8043, 78.1230, 27.1693



49.9903, 78.1230, 45.7022



46.5059, 78.1230, 83.1535

Triad

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



49.9903, 78.1230, 45.7022



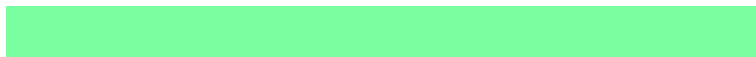
73.5839, 78.1230, 214.4605



106.1687, 78.1230, 47.9397

Complementary

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



49.9903, 78.1230, 45.7022



60.4721, 39.8930, 69.4780

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.



111.2928, 78.1230, 87.0008



49.9903, 78.1230, 45.7022



90.8608, 78.1230, 194.0605

Square

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



49.9903, 78.1230, 45.7022



58.8028, 78.1230, 190.7459



105.3185, 78.1230, 142.2792



92.1982, 78.1230, 28.0781

Rectangle

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



49.9903, 78.1230, 45.7022



47.7692, 78.1230, 118.3576



105.3185, 78.1230, 142.2792



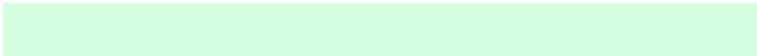
109.0678, 78.1230, 58.6826

Sweetspot

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



49.9908, 78.1232, 45.7035



77.2877, 91.3414, 85.5627



67.8366, 87.6574, 31.4339



16.1115, 19.3410, 17.7291



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.



49.9908, 78.1232, 45.7035



45.2278, 75.8445, 37.4972



57.3684, 81.0743, 84.5531



17.9890, 20.2551, 20.2450



19.3910, 37.6530, 9.9442



1.9331, 3.6842, 1.2056

Inverse Universe

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



60.4721, 39.8930, 69.4780



56.6889, 33.8938, 63.3850



53.5854, 37.1383, 33.2130



18.5541, 18.2049, 21.5349



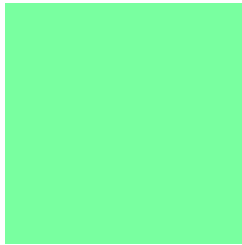
25.9633, 12.8746, 24.2551



2.5756, 1.2726, 2.6123

Previews

White Background



This preview shows how the XYZ color 49.9903, 78.1230, 45.7022 looks on a white background.

Color Contrast Check

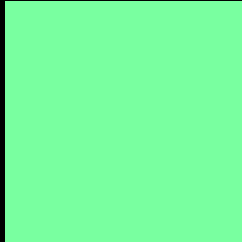
Large Text (above 18pt) WCAG AA × Fail

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 49.9903, 78.1230, 45.7022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

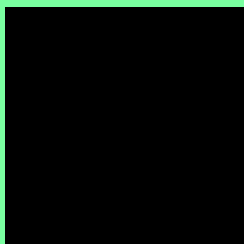
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

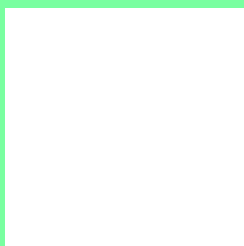
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9903, 78.1230, 45.7022

Background



This preview shows how black text looks on a background with the XYZ color 49.9903, 78.1230, 45.7022.



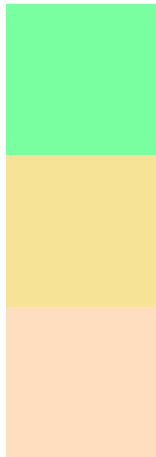
This preview shows how white text looks on a background with the XYZ color 49.9903, 78.1230,

45.7022.

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

49.9903, 78.1230, 45.7022

Protanopia

71.2517, 76.8823, 39.5182

Deuteranopia

76.5004, 76.7345, 60.0694



Tritanopia

65.2787, 77.3880, 106.1046

Trichromacy



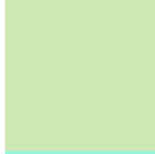
Original Color

49.9903, 78.1230, 45.7022



Protanomaly

60.1214, 75.2858, 41.4999



Deuteranomaly

62.8307, 74.6949, 54.2860



Tritanomaly

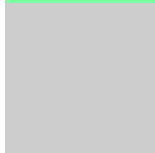
58.5196, 77.1475, 79.5168

Monochromacy



Original Color

49.9903, 78.1230, 45.7022



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.9203, 65.4049, 57.4122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9903, 78.1230, 45.7022 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(121, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 160)  
}
```

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(121, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 49.9903, 78.1230, 45.7022 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(121, 255, 160) }
```


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

```
.border{ border-color:rgb(121, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9903, 78.1230, 45.7022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 160) }
```

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

```
.background{ background-color: rgb(121,  
255, 160) }
```

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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