

Converting Colors

XYZ(51.7053, 80.8333, 50.5982)

Have a look what the booklet for
XYZ(51.7053, 80.8333, 50.5982)
contains.

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Color

**XYZ(50.3926, 78.2361,
49.9812)**

Conversions

Conversions Part 1

Format	Color
Hex	76FFA9
RGB	118, 255, 169
RGB Percent	46%, 100%, 66%
CMY	0.5372, 0.0000, 0.3372
CMYK	0.54, 0.00, 0.34, 0.00
HSL	142°, 100%, 73%
HSV	142°, 54%, 100%
XYZ	50.3926, 78.2361, 49.9812
YIQ	204.2330, -54.0460, -55.7900

Conversions

Conversions Part 2

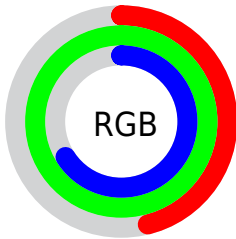
Format	Color
RYB	118, 218, 255
Decimal	7798697
CIELab	90.89, -56.04, 30.01
CIELCh	91, 63.570, 151.833
Yxy	78.2361, 0.2821, 0.4380
Android (android.graphics.Color)	4285988777 (0xFF76FFA9)
YUV	204.2330, -17.3699, -75.6263
Hunter-Lab	88.4512, -53.0941, 28.4128

Details

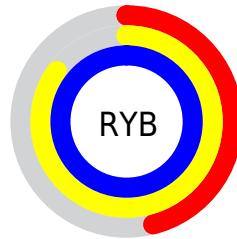
The XYZ color **50.3926, 78.2361, 49.9812** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.6177, 38.5770, 61.4831**, and the grayscale version is **57.6727, 60.6762, 66.0764**.

A 20% lighter version of the original color is **67.7107, 86.4212, 84.3464**, and **24.4839, 41.8973, 23.3195** is the 20% darker color. If you saturate the color by 10%, you get **45.9734, 76.1210, 42.4048**, and if you desaturate by 10%, it is **55.9328, 80.9077, 58.5730**.

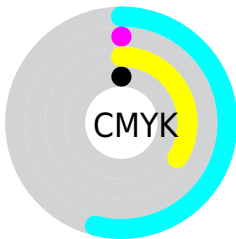
Distribution



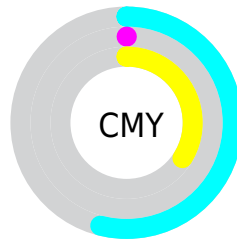
- Red (46%)
- Green (100%)
- Blue (66%)



- Red (46%)
- Yellow (85%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3926, 78.2361, 49.9812 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 50.3926, 78.2361, 49.9812 by changing the saturation by 10% instead.

 50.3926, 78.2361,
49.9812


 50.3926, 78.2361,
49.9812

378.6259,
488.9683, 403.3254


 35.9445, 58.2679,
35.0274


 89.9446, 130.8829,
91.5430

 24.5613, 42.0241,
23.4002


 115.7793,
164.3303, 118.9881

 15.8775, 29.1202,
14.6813


 146.1402,
203.0396, 151.4341

 9.5278, 19.1717,
8.4519

181.3928,
247.3952, 189.2994

 5.1469, 11.7944,
4.2935

221.9022,
297.7815, 233.0027

 2.3693, 6.6039,
1.7877

268.0340,

 0.8298, 3.2156,

354.5828, 282.9624

0.4198

320.1535,
418.1836, 339.5971

■ 0.0000, 1.2453,
0.0000

■ 0.0000, 0.0983,
0.0000

■ 50.3926, 78.2361,
49.9812

■ 50.3926, 78.2361,
49.9812

■ 45.9734, 76.1210,
42.4048

■ 55.9328, 80.9077,
58.5730

■ 42.5894, 74.5192,
35.8015

■ 62.6672, 84.1731,
68.2127

■ 40.1446, 73.3818,
30.1314

■ 70.6647, 88.0669,
78.9360

■ 38.5222, 72.6496,
25.3501

■ 79.9882, 92.6209,
90.7757

■ 37.8223, 72.3449,
22.7802

■ 90.6964, 97.8648,
103.7631

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.



59.2790, 78.2361, 30.0961



50.3926, 78.2361, 49.9812



47.6439, 78.2361, 88.0361

Triad

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



50.3926, 78.2361, 49.9812



75.3498, 78.2361, 207.1620



103.6974, 78.2361, 46.6365

Complementary

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



50.3926, 78.2361, 49.9812



58.6177, 38.5770, 61.4831

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.



109.5636, 78.2361, 82.3977



50.3926, 78.2361, 49.9812



91.8061, 78.2361, 184.1731

Square

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



50.3926, 78.2361, 49.9812



60.7569, 78.2361, 188.9270



104.9309, 78.2361, 133.9421



89.8579, 78.2361, 28.7091

Rectangle

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



50.3926, 78.2361, 49.9812



49.2916, 78.2361, 122.3552



104.9309, 78.2361, 133.9421



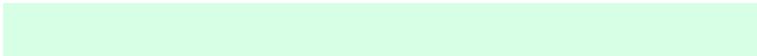
106.7498, 78.2361, 56.4277

Sweetspot

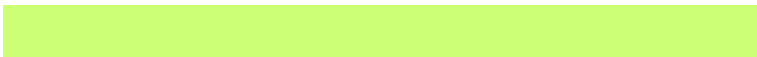
The Sweet Spot groups the original color and five complimentary colors.



50.3932, 78.2364, 49.9825



77.7472, 91.5251, 87.9820



64.1429, 85.7741, 30.3156



16.2202, 19.3845, 18.3017



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.



50.3932, 78.2364, 49.9825



45.8667, 76.0702, 42.2101



58.4787, 81.4706, 92.5601



18.0512, 20.2800, 20.5725



19.8290, 37.8282, 12.2509



1.9814, 3.7035, 1.4600

Inverse Universe

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



58.6177, 38.5770, 61.4831



54.8150, 32.7858, 54.6227



52.1817, 36.0026, 27.5916



18.4891, 18.1789, 21.1925



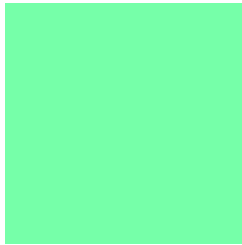
24.9422, 12.4662, 18.8778



2.4814, 1.2349, 2.1166

Previews

White Background



This preview shows how the XYZ color 50.3926, 78.2361, 49.9812 looks on a white background.

Color Contrast Check

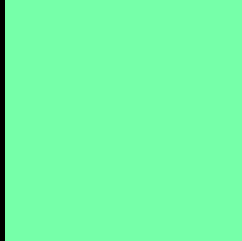
Large Text (above 18pt) WCAG AA × Fail

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 50.3926, 78.2361, 49.9812 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 50.3926, 78.2361, 49.9812

Background



This preview shows how black text looks on a background with the XYZ color 50.3926, 78.2361, 49.9812.

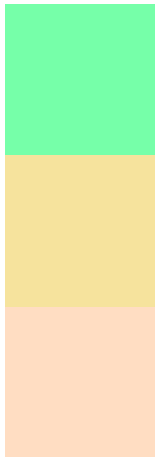


This preview shows how white text looks on a background with the XYZ color 50.3926, 78.2361,

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

50.3926, 78.2361, 49.9812

Protanopia

71.5609, 76.9653, 42.9824

Deuteranopia

76.8341, 76.8679, 61.8263



Tritanopia

65.3585, 77.8650, 106.1924

Trichromacy



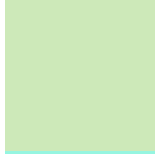
Original Color

50.3926, 78.2361, 49.9812



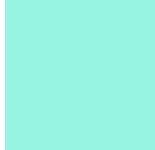
Protanomaly

60.2704, 75.2837, 45.0728



Deuteranomaly

63.0727, 74.7597, 57.0047



Tritanomaly

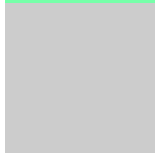
58.6846, 77.1707, 82.3234

Monochromacy



Original Color

50.3926, 78.2361, 49.9812



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.0252, 65.4212, 59.1230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3926, 78.2361, 49.9812 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(118, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 169)  
}
```

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(118, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 50.3926, 78.2361, 49.9812 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(118, 255, 169) }
```


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

```
.border{ border-color:rgb(118, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3926, 78.2361, 49.9812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 169) }
```

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

```
.background{ background-color: rgb(118,  
255, 169) }
```

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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