

Converting Colors

XYZ(51.1430, 78.6362, 49.4194)

Have a look what the booklet for
XYZ(51.1430, 78.6362, 49.4194)
contains.

XYZ(51.1401, 78.6322, 49.5280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1401, 78.6322,
49.5280)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFFA8
RGB	124, 255, 168
RGB Percent	49%, 100%, 66%
CMY	0.5137, 0.0000, 0.3412
CMYK	0.51, 0.00, 0.34, 0.00
HSL	140°, 100%, 74%
HSV	140°, 51%, 100%
XYZ	51.1401, 78.6322, 49.5280
YIQ	205.9130, -50.1490, -54.8290

Conversions

Conversions Part 2

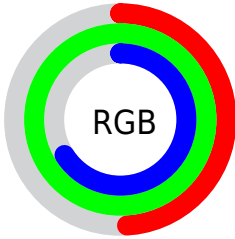
Format	Color
RYB	124, 222, 255
Decimal	8191912
CIELab	91.07, -54.83, 30.79
CIElCh	91, 62.878, 150.685
Yxy	78.6322, 0.2852, 0.4386
Android (android.graphics.Color)	4286381992 (0xFF7CFFA8)
YUV	205.9130, -18.6911, -71.8377
Hunter-Lab	88.6748, -52.2372, 28.9568

Details

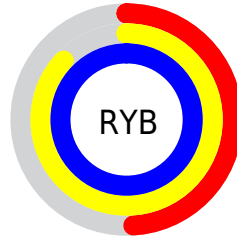
The XYZ color **51.1401, 78.6322, 49.5280** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.2058, 40.3791, 66.2487**, and the grayscale version is **58.7494, 61.8089, 67.3099**.

A 20% lighter version of the original color is **68.9817, 87.0922, 83.6958**, and **24.9242, 42.1310, 23.0381** is the 20% darker color. If you saturate the color by 10%, you get **46.4428, 76.3813, 41.6023**, and if you desaturate by 10%, it is **56.9967, 81.4571, 58.5832**.

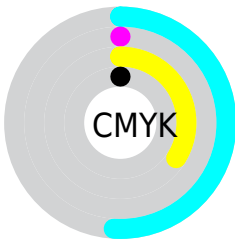
Distribution



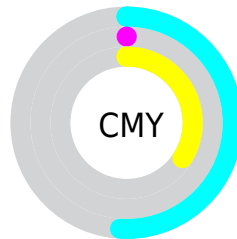
- Red (49%)
- Green (100%)
- Blue (66%)



- Red (49%)
- Yellow (87%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1401, 78.6322, 49.5280 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 51.1401, 78.6322, 49.5280 by changing the saturation by 10% instead.


 51.1401, 78.6322,
49.5280


 51.1401, 78.6322,
49.5280


381.4866,
490.3112, 401.4993


 36.5416, 58.5935,
34.6700


 91.0436, 131.4409,
90.8642

 25.0248, 42.2859,
23.1272


 117.0793,
164.9797, 118.1795

 16.2244, 29.3253,
14.4813


 147.6581,
203.7873, 150.4843

 9.7749, 19.3270,
8.3136

183.1454,
248.2481, 188.1971

 5.3111, 11.9068,
4.2056

223.9066,
298.7465, 231.7364

 2.4676, 6.6802,
1.7388

270.3069,

 0.8789, 3.2629,

355.6669, 281.5209

0.3871

322.7118,
419.3937, 337.9690

0.0000, 1.2705,
0.0000

0.0000, 0.1182,
0.0000

51.1401, 78.6322,
49.5280

51.1401, 78.6322,
49.5280

46.4428, 76.3813,
41.6023

56.9967, 81.4571,
58.5832

42.8202, 74.6615,
34.7571

64.0854, 84.8925,
68.8063

40.1781, 73.4254,
28.9456

72.4747, 88.9730,
80.2387

38.4039, 72.6158,
24.1156

82.2277, 93.7303,
92.9187

■ 37.4257, 72.1863,
20.6913

■ 93.4032, 99.1940,
106.8827

■ 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.



60.2069, 78.6322, 30.2655



51.1401, 78.6322, 49.5280



48.1637, 78.6322, 86.6670

Triad

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



51.1401, 78.6322, 49.5280



75.1033, 78.6322, 206.2791



104.2075, 78.6322, 48.2812

Complementary

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



51.1401, 78.6322, 49.5280



60.2058, 40.3791, 66.2487

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.



109.6346, 78.6322, 84.5757



51.1401, 78.6322, 49.5280



91.4360, 78.6322, 185.0485

Square

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



51.1401, 78.6322, 49.5280



60.7561, 78.6322, 186.8021



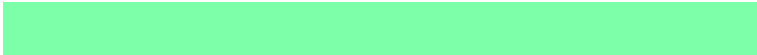
104.6639, 78.6322, 135.9939



90.7145, 78.6322, 29.7457

Rectangle

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



51.1401, 78.6322, 49.5280



49.6463, 78.6322, 120.3879



104.6639, 78.6322, 135.9939



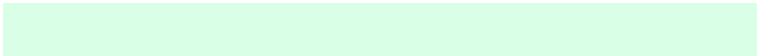
107.1146, 78.6322, 58.2827

Sweetspot

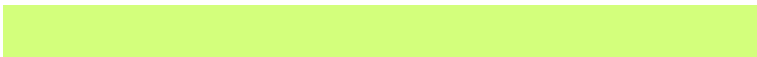
The Sweet Spot groups the original color and five complimentary colors.



51.1407, 78.6325, 49.5293



78.5275, 91.9240, 88.1713



66.3581, 86.8736, 32.3405



16.3661, 19.4599, 18.2984



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

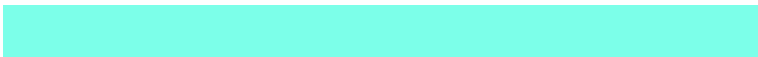
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1407, 78.6325, 49.5293



46.1844, 76.2580, 41.1407



58.8044, 81.6980, 89.8860



18.0232, 20.2688, 20.4254



19.6176, 37.7436, 11.1374



1.9585, 3.6943, 1.3395

Inverse Universe

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



60.2058, 40.3791, 66.2487



56.1539, 34.0503, 59.4256



53.6235, 37.7462, 31.5865



18.5181, 18.1906, 21.3455



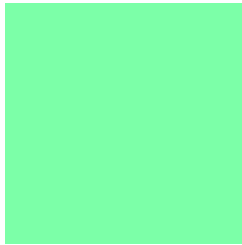
25.3803, 12.6414, 21.1851



2.5221, 1.2512, 2.3309

Previews

White Background



This preview shows how the XYZ color 51.1401, 78.6322, 49.5280 looks on a white background.

Color Contrast Check

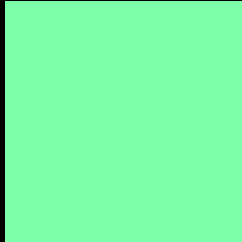
Large Text (above 18pt) WCAG AA × Fail

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 51.1401, 78.6322, 49.5280 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 51.1401, 78.6322, 49.5280

Background



This preview shows how black text looks on a background with the XYZ color 51.1401, 78.6322, 49.5280.



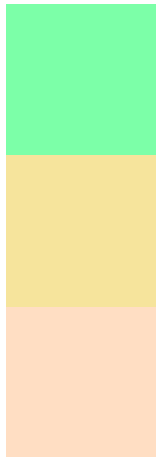
This preview shows how white text looks on a background with the XYZ color 51.1401, 78.6322,

49.5280.

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

51.1401, 78.6322, 49.5280

Protanopia

71.7502, 77.4799, 42.6260

Deuteranopia

77.2116, 77.4427, 62.5082



Tritanopia

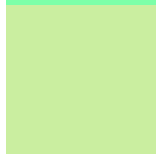
66.0047, 78.1981, 106.2227

Trichromacy



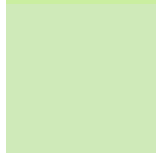
Original Color

51.1401, 78.6322, 49.5280



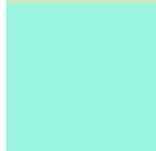
Protanomaly

61.2768, 76.2437, 44.7446



Deuteranomaly

63.9119, 75.6138, 57.1254



Tritanomaly

59.2981, 77.5026, 81.6462

Monochromacy



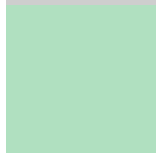
Original Color

51.1401, 78.6322, 49.5280



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0746, 66.3472, 59.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1401, 78.6322, 49.5280 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(124, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 168)  
}
```

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(124, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 51.1401, 78.6322, 49.5280 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(124, 255, 168) }
```


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

```
.border{ border-color:rgb(124, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1401, 78.6322, 49.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 168) }
```

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

```
.background{ background-color: rgb(124,  
255, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor