

Converting Colors

XYZ(51.1297, 78.7321, 44.7734)

Have a look what the booklet for
XYZ(51.1297, 78.7321, 44.7734)
contains.

XYZ(51.1375, 78.7344, 44.8498)	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(51.1375, 78.7344,
44.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF9E
RGB	130, 255, 158
RGB Percent	51%, 100%, 62%
CMY	0.4902, 0.0000, 0.3804
CMYK	0.49, 0.00, 0.38, 0.00
HSL	133°, 100%, 75%
HSV	133°, 49%, 100%
XYZ	51.1375, 78.7344, 44.8498
YIQ	206.5670, -43.3630, -56.6670

Conversions

Conversions Part 2

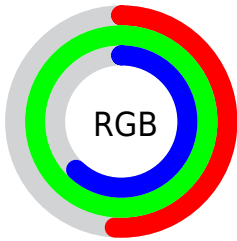
Format	Color
RYB	130, 232, 255
Decimal	8585118
CIELab	91.11, -55.03, 35.87
CIELCh	91, 65.691, 146.904
Yxy	78.7344, 0.2927, 0.4506
Android (android.graphics.Color)	4286775198 (0xFF82FF9E)
YUV	206.5670, -23.9435, -67.1493
Hunter-Lab	88.7324, -52.4101, 32.1446

Details

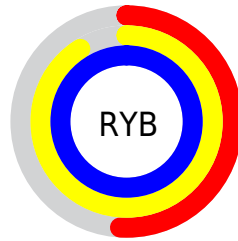
The XYZ color **51.1375, 78.7344, 44.8498** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.0879, 42.7718, 77.6032**, and the grayscale version is **59.1986, 62.2815, 67.8246**.

A 20% lighter version of the original color is **68.7565, 87.1429, 76.1472**, and **24.9000, 42.1814, 20.1941** is the 20% darker color. If you saturate the color by 10%, you get **46.1304, 76.3344, 36.4292**, and if you desaturate by 10%, it is **57.3890, 81.7443, 54.7628**.

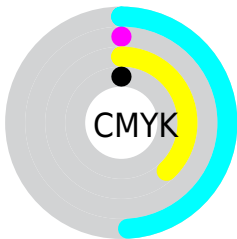
Distribution



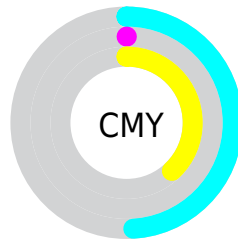
- Red (51%)
- Green (100%)
- Blue (62%)



- Red (51%)
- Yellow (91%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1375, 78.7344, 44.8498 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 51.1375, 78.7344, 44.8498 by changing the saturation by 10% instead.


 51.1375, 78.7344,
44.8498


 51.1375, 78.7344,
44.8498


381.4766,
490.6574, 382.3073


 36.5395, 58.6775,
30.9970


 91.0398, 131.5849,
83.8110

 25.0232, 42.3535,
20.3382


 117.0748,
165.1472, 109.7566

 16.2232, 29.3782,
12.4546

 147.6529,
203.9801, 140.5702

 9.7741, 19.3671,
6.9278

183.1394,
248.4680, 176.6703

 5.3105, 11.9358,
3.3392

223.8996,
298.9953, 218.4756

 2.4672, 6.7000,
1.2703

270.2990,

 0.8787, 3.2752,

355.9464, 266.4044

0.0373

322.7029,
419.7056, 320.8755

0.0000, 1.2770,
0.0000

0.0000, 0.1233,
0.0000

51.1375, 78.7344,
44.8498

51.1375, 78.7344,
44.8498

46.1304, 76.3344,
36.4292

57.3890, 81.7443,
54.7628

42.2801, 74.5005,
29.4246

64.9610, 85.4018,
66.2318

39.4897, 73.1845,
23.7589

73.9253, 89.7426,
79.3213

37.6448, 72.3293,
19.3457

84.3479, 94.7996,
94.0912

■ 36.5824, 71.8526, 95.0500, 100.0000,
16.0872 108.9000

■ 36.5016, 71.8166,
15.8251

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2913, 78.7344, 27.2898



51.1375, 78.7344, 44.8498



47.2556, 78.7344, 80.8820

Triad

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



51.1375, 78.7344, 44.8498



73.1228, 78.7344, 213.3627



107.0871, 78.7344, 50.6385

Complementary

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



51.1375, 78.7344, 44.8498



63.0879, 42.7718, 77.6032

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.



111.4769, 78.7344, 90.7646



51.1375, 78.7344, 44.8498



90.2392, 78.7344, 195.9217

Square

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



51.1375, 78.7344, 44.8498



58.7127, 78.7344, 187.4739



104.9113, 78.7344, 146.0114



93.6669, 78.7344, 29.6586

Rectangle

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



51.1375, 78.7344, 44.8498



48.2440, 78.7344, 115.1745



104.9113, 78.7344, 146.0114



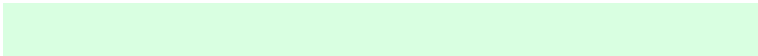
109.7465, 78.7344, 61.7847

Sweetspot

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



51.1380, 78.7347, 44.8511



77.9351, 91.6871, 85.0518



71.7580, 89.6122, 34.6346



16.2248, 19.4034, 17.5539



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.



51.1380, 78.7347, 44.8511



46.1387, 76.3384, 36.4436



57.8294, 81.4113, 80.0876



17.9382, 20.2348, 19.9773



19.1185, 37.5440, 8.5094



1.9005, 3.6711, 1.0340

Inverse Universe

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



63.0879, 42.7718, 77.6032



59.3367, 36.5081, 72.5341



56.0526, 39.9577, 40.5555



18.6083, 18.2266, 21.8203



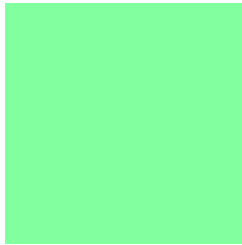
26.9265, 13.2599, 29.3269



2.6625, 1.3074, 3.0700

Previews

White Background



This preview shows how the XYZ color 51.1375, 78.7344, 44.8498 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 51.1375, 78.7344, 44.8498 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 51.1375, 78.7344, 44.8498

Background



This preview shows how black text looks on a background with the XYZ color 51.1375, 78.7344, 44.8498.

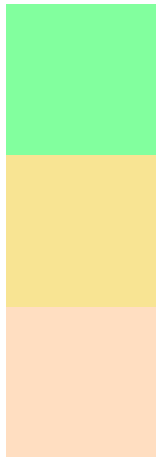


This preview shows how white text looks on a background with the XYZ color 51.1375, 78.7344,

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

51.1375, 78.7344, 44.8498

Protanopia

71.7213, 77.5498, 38.7923

Deuteranopia

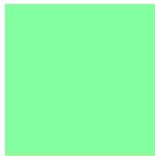
76.9869, 77.3528, 61.3250



Tritanopia

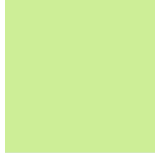
66.3721, 77.9517, 106.1557

Trichromacy



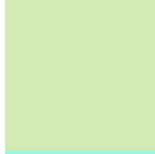
Original Color

51.1375, 78.7344, 44.8498



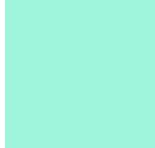
Protanomaly

61.3373, 76.3626, 40.7848



Deuteranomaly

64.2394, 75.8426, 54.4333



Tritanomaly

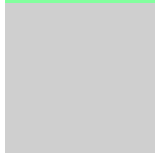
59.6712, 77.7412, 79.5707

Monochromacy



Original Color

51.1375, 78.7344, 44.8498



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4314, 66.5691, 58.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1375, 78.7344, 44.8498 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(130, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 158)  
}
```

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(130, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 51.1375, 78.7344, 44.8498 is called "border". The border property can be set on classes, ids or directly on the HTML element.

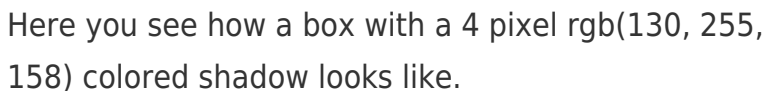
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 255, 158) }
```


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

```
.border{ border-color:rgb(130, 255, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(130, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 255, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 255, 158); box-shadow:4px 4px 4px 4px rgb(130, 255, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1375, 78.7344, 44.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 158) }
```

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

```
.background{ background-color: rgb(130,  
255, 158) }
```

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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