

Converting Colors

XYZ(51.0266, 78.7256, 42.6473)

Have a look what the booklet for
XYZ(51.0266, 78.7256, 42.6473)
contains.

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Color

**XYZ(51.0255, 78.7254,
42.6432)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 84FF99 |
| RGB | 132, 255, 153 |
| RGB Percent | 52%, 100%, 60% |
| CMY | 0.4823, 0.0000, 0.4000 |
| CMYK | 0.48, 0.00, 0.40, 0.00 |
| HSL | 130°, 100%, 76% |
| HSV | 130°, 48%, 100% |
| XYZ | 51.0255, 78.7254, 42.6432 |
| YIQ | 206.5950, -40.5660, -57.7980 |

Conversions

Conversions Part 2

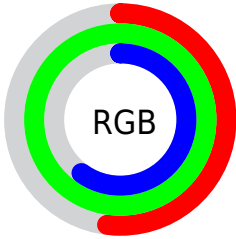
| Format | Color |
|-------------------------------------|--|
| RYB | 132, 237, 255 |
| Decimal | 8716185 |
| CIELab | 91.11, -55.31, 38.34 |
| CIELCh | 91, 67.304, 145.269 |
| Yxy | 78.7254, 0.2960, 0.4567 |
| Android (android.graphics.Color) | 4286906265 (0xFF84FF99) |
| YUV | 206.5950, -26.4223, -65.4198 |
| Hunter-Lab | 88.7273, -52.6207, 33.6138 |

Details

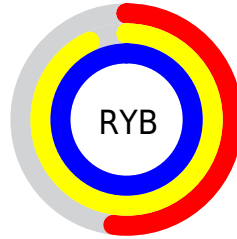
The XYZ color **51.0255, 78.7254, 42.6432** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.3426, 43.7034, 82.8854**, and the grayscale version is **59.2307, 62.3153, 67.8614**.

A 20% lighter version of the original color is **68.6310, 87.1504, 72.8790**, and **24.9137, 42.2117, 19.1465** is the 20% darker color. If you saturate the color by 10%, you get **45.9187, 76.2770, 34.0812**, and if you desaturate by 10%, it is **57.4172, 81.8005, 52.8834**.

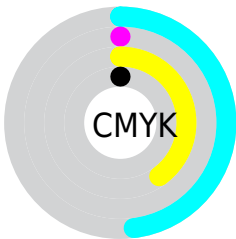
Distribution



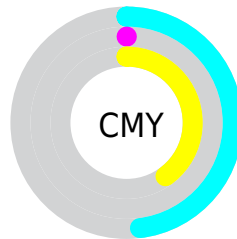
- Red (52%)
- Green (100%)
- Blue (60%)



- Red (52%)
- Yellow (93%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0255, 78.7254, 42.6432 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 51.0255, 78.7254, 42.6432 by changing the saturation by 10% instead.


 51.0255, 78.7254,
42.6432


 51.0255, 78.7254,
42.6432


381.0489,
490.6269, 373.0204


 36.4500, 58.6701,
29.2759


 90.8752, 131.5722,
80.4527

 24.9537, 42.3476,
19.0423


 116.8802,
165.1325, 105.7321

 16.1711, 29.3736,
11.5237


 147.4257,
203.9632, 135.8192

 9.7369, 19.3636,
6.3017

182.8771,
248.4487, 171.1326

 5.2858, 11.9333,
2.9576

223.5998,
298.9734, 212.0909

 2.4524, 6.6983,
1.0730

269.9591,

 0.8713, 3.2741,

355.9218, 259.1126

0.0000

322.3203,
419.6781, 312.6163

0.0000, 1.2765,
0.0000

0.0000, 0.1229,
0.0000

51.0255, 78.7254,
42.6432

51.0255, 78.7254,
42.6432

45.9187, 76.2770,
34.0812

57.4172, 81.8005,
52.8834

42.0068, 74.4107,
27.1043

65.1726, 85.5410,
64.8809

39.1902, 73.0773,
21.6158

74.3655, 89.9834,
78.7141

37.3517, 72.2185,
17.5070

85.0642, 95.1615,
94.4558

■ 36.3350, 71.7565, 95.0500, 100.0000,
14.6536 108.9000

■ 36.2060, 71.6984,
14.2687

Harmonies

Analogous

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



61.7084, 78.7254, 25.8299



51.0255, 78.7254, 42.6432



46.7219, 78.7254, 78.2187

Triad

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



51.0255, 78.7254, 42.6432



72.1594, 78.7254, 217.1504



108.4919, 78.7254, 51.6135

Complementary

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



51.0255, 78.7254, 42.6432



64.3426, 43.7034, 82.8854

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.



112.4065, 78.7254, 93.6832



51.0255, 78.7254, 42.6432



89.6824, 78.7254, 201.4720

Square

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



51.0255, 78.7254, 42.6432



57.6878, 78.7254, 188.1139



105.0709, 78.7254, 150.9672



95.0613, 78.7254, 29.4624

Rectangle

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



51.0255, 78.7254, 42.6432



47.4885, 78.7254, 112.8445



105.0709, 78.7254, 150.9672



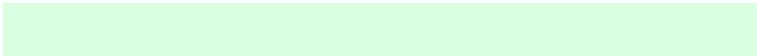
111.0431, 78.7254, 63.3304

Sweetspot

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



51.0260, 78.7257, 42.6445



78.7084, 92.0845, 85.1431



74.0212, 90.7632, 35.4481



16.3659, 19.4772, 17.5138



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.



51.0260, 78.7257, 42.6445



46.0245, 76.3276, 34.2636



57.4137, 81.2807, 76.2814



17.8981, 20.2188, 19.7664



18.9551, 37.4786, 7.6487



1.8791, 3.6626, 0.9210

Inverse Universe

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



64.3426, 43.7034, 82.8854



60.7555, 37.4952, 78.7119



57.0344, 40.7802, 44.4011



18.6517, 18.2440, 22.0488



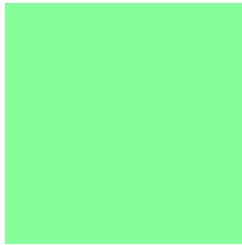
27.7717, 13.5980, 33.7780



2.7376, 1.3374, 3.4658

Previews

White Background



This preview shows how the XYZ color 51.0255, 78.7254, 42.6432 looks on a white background.

Color Contrast Check

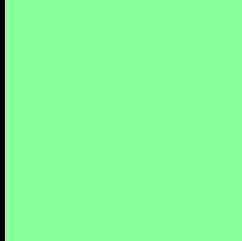
Large Text (above 18pt) WCAG AA × Fail

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 51.0255, 78.7254, 42.6432 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 51.0255, 78.7254, 42.6432

Background



This preview shows how black text looks on a background with the XYZ color 51.0255, 78.7254, 42.6432.

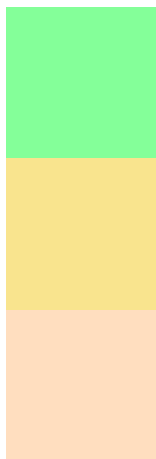


This preview shows how white text looks on a background with the XYZ color 51.0255, 78.7254,

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

51.0255, 78.7254, 42.6432

Protanopia

71.6928, 77.5795, 36.7869

Deuteranopia

76.7652, 77.2641, 60.1577



Tritanopia

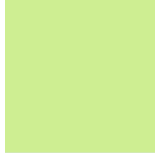
66.5957, 78.0670, 106.1662

Trichromacy



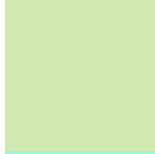
Original Color

51.0255, 78.7254, 42.6432



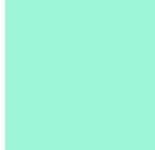
Protanomaly

61.2164, 76.3462, 38.7040



Deuteranomaly

63.9370, 75.7216, 52.8409



Tritanomaly

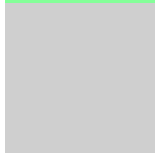
59.6054, 77.7377, 78.1930

Monochromacy



Original Color

51.0255, 78.7254, 42.6432



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4477, 66.6025, 56.9996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0255, 78.7254, 42.6432 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(132, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 153)  
}
```

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(132, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 51.0255, 78.7254, 42.6432 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(132, 255, 153) }
```


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

```
.border{ border-color:rgb(132, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0255, 78.7254, 42.6432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 153) }
```

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

```
.background{ background-color: rgb(132,  
255, 153) }
```

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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