

Converting Colors

XYZ(50.7334, 78.1863, 44.9188)

Have a look what the booklet for
XYZ(50.7334, 78.1863, 44.9188)
contains.

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Color

**XYZ(50.6666, 78.0194,
44.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	81FE9E
RGB	129, 254, 158
RGB Percent	51%, 100%, 62%
CMY	0.4941, 0.0039, 0.3804
CMYK	0.49, 0.00, 0.38, 0.00
HSL	134°, 98%, 75%
HSV	134°, 49%, 100%
XYZ	50.6666, 78.0194, 44.7366
YIQ	205.6810, -43.6840, -56.3560

Conversions

Conversions Part 2

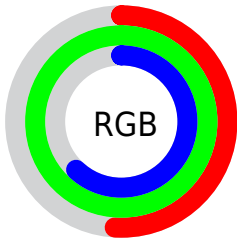
Format	Color
RYB	129, 230, 254
Decimal	8519326
CIELab	90.79, -54.88, 35.43
CIELCh	91, 65.328, 147.152
Yxy	78.0194, 0.2922, 0.4499
Android (android.graphics.Color)	4286709406 (0xFF81FE9E)
YUV	205.6810, -23.5067, -67.2492
Hunter-Lab	88.3286, -52.1848, 31.8009

Details

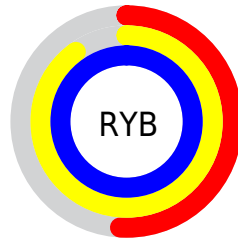
The XYZ color **50.6666, 78.0194, 44.7366** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.3163, 42.2090, 76.0993**, and the grayscale version is **58.6294, 61.6826, 67.1724**.

A 20% lighter version of the original color is **68.5093, 87.0155, 76.1356**, and **24.6045, 41.6931, 20.1154** is the 20% darker color. If you saturate the color by 10%, you get **45.7294, 75.6553, 36.4259**, and if you desaturate by 10%, it is **56.8331, 80.9909, 54.4995**.

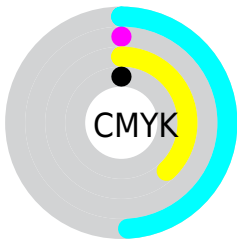
Distribution



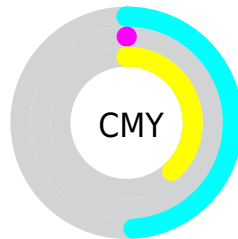
- Red (51%)
- Green (100%)
- Blue (62%)



- Red (51%)
- Yellow (90%)
- 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 50.6666, 78.0194, 44.7366 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 50.6666, 78.0194, 44.7366 by changing the saturation by 10% instead.


 50.6666, 78.0194,
44.7366


 50.6666, 78.0194,
44.7366


379.6761,
488.2327, 381.8347


 36.1633, 58.0899,
30.9086


 90.3477, 130.5775,
83.6393

 24.7310, 41.8809,
20.2714


 116.2562,
163.9748, 109.5510

 16.0044, 29.0081,
12.4064


 146.6971,
202.6303, 140.3277

 9.6182, 19.0869,
6.8952

182.0359,
246.9282, 176.3879

 5.2068, 11.7331,
3.3192

222.6378,
297.2531, 218.1502

 2.4051, 6.5622,
1.2598


268.8683,


 0.8477, 3.1899,

353.9891, 266.0330

0.0285


321.0926,
417.5209, 320.4550


 0.0000, 1.2316,
0.0000


 0.0000, 0.0873,
0.0000


 50.6666, 78.0194,
44.7366


 50.6666, 78.0194,
44.7366


 45.7294, 75.6553,
36.4259


 56.8331, 80.9909,
54.4995


 41.9307, 73.8465,
29.4928

 64.2998, 84.5983,
65.7741

 39.1762, 72.5482,
23.8636

 73.1388, 88.8797,
78.6229

 37.3529, 71.7040,
19.4557

 83.4155, 93.8677,
93.1035

■ 36.2963, 71.2308,
16.1757

94.7333, 99.3667,
108.7944

■ 36.2310, 71.2017,
15.9620

Harmonies

Analogous

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



60.6593, 78.0194, 27.2192



50.6666, 78.0194, 44.7366



46.8793, 78.0194, 80.5362

Triad

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



50.6666, 78.0194, 44.7366



72.5975, 78.0194, 211.0485



105.9465, 78.0194, 50.0051

Complementary

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



50.6666, 78.0194, 44.7366



62.3163, 42.2090, 76.0993

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.



110.3711, 78.0194, 89.5219



50.6666, 78.0194, 44.7366



89.5174, 78.0194, 193.4850

Square

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



50.6666, 78.0194, 44.7366



58.3138, 78.0194, 185.8119



103.9691, 78.0194, 144.0418



92.6331, 78.0194, 29.3774

Rectangle

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



50.6666, 78.0194, 44.7366



47.8921, 78.0194, 114.5051



103.9691, 78.0194, 144.0418



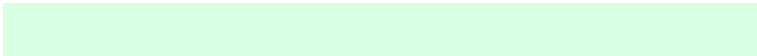
108.6009, 78.0194, 60.9756

Sweetspot

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



50.6686, 78.0226, 44.7384



77.9770, 91.7038, 85.2722



71.0594, 88.7897, 34.1622



16.2347, 19.4074, 17.6064



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.



50.6686, 78.0226, 44.7384



46.2265, 76.3735, 36.9060



57.2287, 80.6467, 79.2833



17.9442, 20.2372, 20.0091



19.1470, 37.5554, 8.6594



1.9041, 3.6726, 1.0527

Inverse Universe

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



62.3163, 42.2090, 76.0993



59.1767, 36.4441, 71.6915



55.4640, 39.4681, 40.0155



18.6018, 18.2240, 21.7861



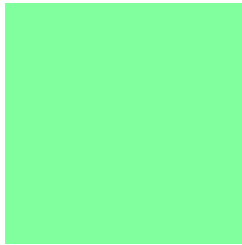
26.8058, 13.2116, 28.6913



2.6517, 1.3030, 3.0130

Previews

White Background



This preview shows how the XYZ color 50.6666, 78.0194, 44.7366 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 50.6666, 78.0194, 44.7366 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 50.6666, 78.0194, 44.7366

Background



This preview shows how black text looks on a background with the XYZ color 50.6666, 78.0194, 44.7366.

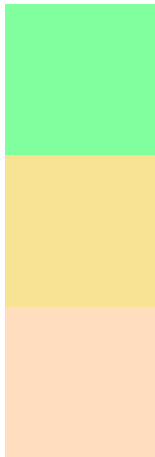


This preview shows how white text looks on a background with the XYZ color 50.6666, 78.0194,

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

50.6666, 78.0194, 44.7366

Protanopia

71.0933, 76.8189, 38.6843

Deuteranopia

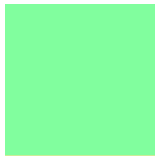
76.3907, 76.6906, 59.4917



Tritanopia

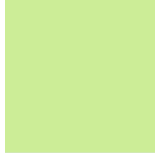
65.4941, 77.4991, 106.1147

Trichromacy



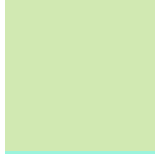
Original Color

50.6666, 78.0194, 44.7366



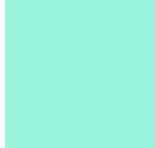
Protanomaly

60.7719, 75.6401, 40.6751



Deuteranomaly

63.4693, 75.0475, 53.2599



Tritanomaly

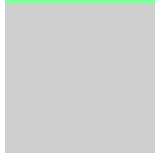
58.7865, 76.8372, 79.4428

Monochromacy



Original Color

50.6666, 78.0194, 44.7366



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9331, 65.9145, 58.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6666, 78.0194, 44.7366 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(129, 254, 158)` looks like.

```
.text, #text, p{  
    color:rgb(129, 254, 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(129, 254, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 254, 158) }
```

Border

The CSS property to change the border of an element to XYZ 50.6666, 78.0194, 44.7366 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(129, 254, 158) }
```


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

```
.border{ border-color:rgb(129, 254, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 254, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 254, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 254, 158);  
box-shadow:4px 4px 4px 4px rgb(129, 254,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6666, 78.0194, 44.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 254, 158) }
```

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

```
.background{ background-color: rgb(129,  
254, 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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