

Converting Colors

XYZ(52.1592, 80.4387, 45.5678)

Have a look what the booklet for
XYZ(52.1592, 80.4387, 45.5678)
contains.

XYZ(51.3781, 78.8485, 45.3123)	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(51.3781, 78.8485,
45.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF9F
RGB	131, 255, 159
RGB Percent	51%, 100%, 62%
CMY	0.4863, 0.0000, 0.3765
CMYK	0.49, 0.00, 0.38, 0.00
HSL	134°, 100%, 76%
HSV	134°, 49%, 100%
XYZ	51.3781, 78.8485, 45.3123
YIQ	206.9800, -43.0880, -56.1440

Conversions

Conversions Part 2

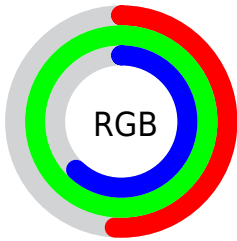
Format	Color
RYB	131, 232, 255
Decimal	8650655
CIELab	91.17, -54.62, 35.45
CIELCh	91, 65.115, 147.015
Yxy	78.8485, 0.2927, 0.4492
Android (android.graphics.Color)	4286840735 (0xFF83FF9F)
YUV	206.9800, -23.6541, -66.6345
Hunter-Lab	88.7967, -52.1134, 31.9024

Details

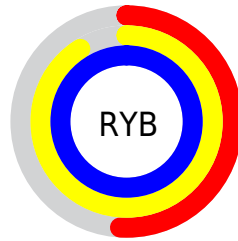
The XYZ color **51.3781, 78.8485, 45.3123** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.2215, 43.0391, 77.6475**, and the grayscale version is **59.4626, 62.5593, 68.1271**.

A 20% lighter version of the original color is **69.1328, 87.3222, 76.8295**, and **25.0936, 42.2752, 20.4730** is the 20% darker color. If you saturate the color by 10%, you get **46.3241, 76.4255, 36.8363**, and if you desaturate by 10%, it is **57.6785, 81.8824, 55.2774**.

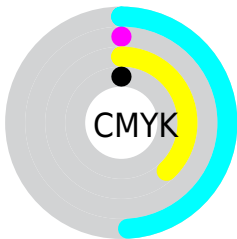
Distribution



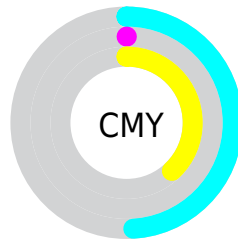
- Red (51%)
- Green (100%)
- Blue (62%)



- 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 51.3781, 78.8485, 45.3123 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 51.3781, 78.8485, 45.3123 by changing the saturation by 10% instead.


 51.3781, 78.8485,
45.3123


 51.3781, 78.8485,
45.3123


382.3945,
491.0437, 384.2339


 36.7319, 58.7713,
31.3587


 91.3931, 131.7456,
84.5123

 25.1727, 42.4290,
20.6114


 117.4926,
165.3342, 110.5958

 16.3352, 29.4374,
12.6518


 148.1405,
204.1953, 141.5596

 9.8540, 19.4119,
7.0613

183.7022,
248.7135, 177.8225

 5.3638, 11.9683,
3.4214

224.5432,
299.2730, 219.8027

 2.4992, 6.7221,
1.3136

271.0286,

 0.8948, 3.2889,

356.2583, 267.9190

0.0729

323.5239,
420.0537, 322.5899

0.0000, 1.2844,
0.0000

0.0000, 0.1291,
0.0000

51.3781, 78.8485,
45.3123

51.3781, 78.8485,
45.3123

46.3241, 76.4255,
36.8363

57.6785, 81.8824,
55.2774

42.4295, 74.5700,
29.7740

65.3010, 85.5650,
66.7945

39.5979, 73.2340,
24.0489

74.3173, 89.9317,
79.9276

37.7161, 72.3610,
19.5757

84.7930, 95.0152,
94.7360

■ 36.6273, 71.8720, 95.0500, 100.0000,
16.2581 108.9000

■ 36.5132, 71.8213,
15.8861

Harmonies

Analogous

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



61.4494, 78.8485, 27.7207



51.3781, 78.8485, 45.3123



47.5395, 78.8485, 81.2126

Triad

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



51.3781, 78.8485, 45.3123



73.3050, 78.8485, 212.1385



106.8722, 78.8485, 50.8715

Complementary

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



51.3781, 78.8485, 45.3123



63.2215, 43.0391, 77.6475

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.



111.2577, 78.8485, 90.6660



51.3781, 78.8485, 45.3123



90.2804, 78.8485, 194.7594

Square

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



51.3781, 78.8485, 45.3123



58.9792, 78.8485, 186.7131



104.7951, 78.8485, 145.3541



93.5553, 78.8485, 30.0052

Rectangle

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



51.3781, 78.8485, 45.3123



48.5389, 78.8485, 115.2465



104.7951, 78.8485, 145.3541



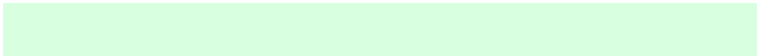
109.5174, 78.8485, 61.9369

Sweetspot

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



51.3786, 78.8487, 45.3136



77.9446, 91.6909, 85.1017



71.8942, 89.6746, 34.9931



16.2270, 19.4043, 17.5658



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.



51.3786, 78.8487, 45.3136



46.6059, 76.5602, 37.3253



58.0210, 81.5057, 80.2921



17.9395, 20.2353, 19.9845



19.1249, 37.5465, 8.5428



1.9013, 3.6714, 1.0381

Inverse Universe

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



63.2215, 43.0391, 77.6475



59.6396, 37.0488, 72.8353



56.2518, 40.2512, 40.9456



18.6068, 18.2260, 21.8126



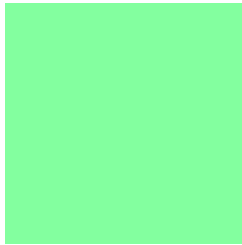
26.8990, 13.2489, 29.1824



2.6600, 1.3064, 3.0570

Previews

White Background



This preview shows how the XYZ color 51.3781, 78.8485, 45.3123 looks on a white background.

Color Contrast Check

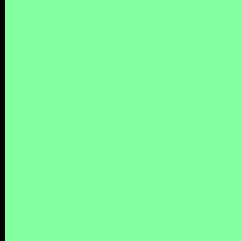
Large Text (above 18pt) WCAG AA × Fail

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 51.3781, 78.8485, 45.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

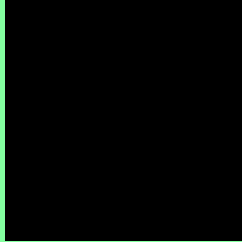
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3781, 78.8485, 45.3123

Background



This preview shows how black text looks on a background with the XYZ color 51.3781, 78.8485, 45.3123.



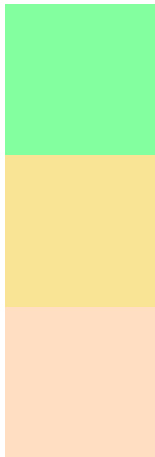
This preview shows how white text looks on a background with the XYZ color 51.3781, 78.8485,

45.3123.

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

51.3781, 78.8485, 45.3123

Protanopia

71.8001, 77.5814, 39.2074

Deuteranopia

76.9869, 77.3528, 61.3250



Tritanopia

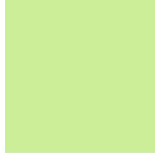
66.5957, 78.0670, 106.1662

Trichromacy



Original Color

51.3781, 78.8485, 45.3123



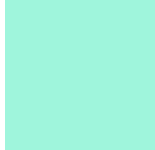
Protanomaly

61.4189, 76.3952, 41.2144



Deuteranomaly

64.3417, 75.8835, 54.9719



Tritanomaly

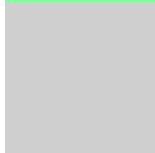
59.8688, 77.8431, 79.5799

Monochromacy



Original Color

51.3781, 78.8485, 45.3123



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5403, 66.6127, 58.6982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3781, 78.8485, 45.3123 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(131, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 159)  
}
```

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(131, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 51.3781, 78.8485, 45.3123 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(131, 255, 159) }
```


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

```
.border{ border-color:rgb(131, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3781, 78.8485, 45.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 159) }
```

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

```
.background{ background-color: rgb(131,  
255, 159) }
```

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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