

Converting Colors

XYZ(51.2059, 78.7796, 44.4054)

Have a look what the booklet for XYZ(51.2059, 78.7796, 44.4054) contains.

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Color

**XYZ(51.2059, 78.7796,
44.4054)**

Conversions

Conversions Part 1

Format	Color
Hex	83FF9D
RGB	131, 255, 157
RGB Percent	51%, 100%, 62%
CMY	0.4863, 0.0000, 0.3843
CMYK	0.49, 0.00, 0.38, 0.00
HSL	133°, 100%, 76%
HSV	133°, 49%, 100%
XYZ	51.2059, 78.7796, 44.4054
YIQ	206.7520, -42.4460, -56.7660

Conversions

Conversions Part 2

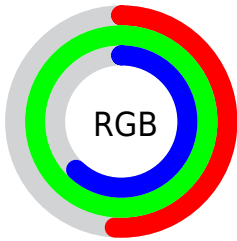
Format	Color
RYB	131, 234, 255
Decimal	8650653
CIELab	91.13, -54.94, 36.40
CIELCh	91, 65.903, 146.475
Yxy	78.7796, 0.2936, 0.4517
Android (android.graphics.Color)	4286840733 (0xFF83FF9D)
YUV	206.7520, -24.5277, -66.4345
Hunter-Lab	88.7579, -52.3466, 32.4678

Details

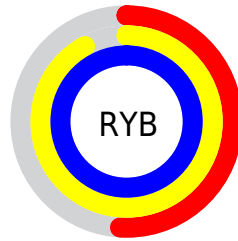
The XYZ color **51.2059, 78.7796, 44.4054** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.4993, 43.1502, 79.1102**, and the grayscale version is **59.3209, 62.4102, 67.9647**.

A 20% lighter version of the original color is **68.8789, 87.2206, 75.4923**, and **24.9907, 42.2341, 19.9315** is the 20% darker color. If you saturate the color by 10%, you get **46.1494, 76.3556, 35.9162**, and if you desaturate by 10%, it is **57.5190, 81.8186, 54.4374**.

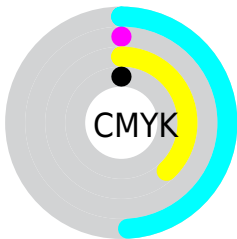
Distribution



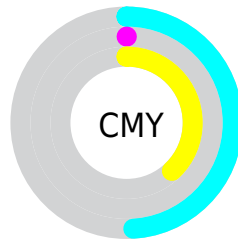
- Red (51%)
- Green (100%)
- Blue (62%)



- Red (51%)
- Yellow (92%)
- 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 51.2059, 78.7796, 44.4054 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 51.2059, 78.7796, 44.4054 by changing the saturation by 10% instead.


 51.2059, 78.7796,
44.4054


 51.2059, 78.7796,
44.4054


381.7377,
490.8104, 380.4497


 36.5942, 58.7146,
30.6498


 91.1402, 131.6485,
83.1364

 25.0657, 42.3834,
20.0761


 117.1936,
165.2213, 108.9489

 16.2550, 29.4016,
12.2658


 147.7915,
204.0654, 139.6174

 9.7968, 19.3849,
6.8002

183.2994,
248.5653, 175.5605

 5.3256, 11.9487,
3.2609

224.0827,
299.1053, 217.1968

 2.4763, 6.7088,
1.2294

270.5065,

 0.8833, 3.2806,

356.0699, 264.9447

0.0028

322.9364,
419.8435, 319.2228

0.0000, 1.2799,
0.0000

0.0000, 0.1256,
0.0000

51.2059, 78.7796,
44.4054

51.2059, 78.7796,
44.4054

46.1494, 76.3556,
35.9162

57.5190, 81.8186,
54.4374

42.2615, 74.5028,
28.8894

65.1653, 85.5107,
66.0796

39.4448, 73.1728,
23.2429

74.2171, 89.8916,
79.4001

37.5849, 72.3085,
18.8849

84.7409, 94.9944,
94.4618

■ 36.5235, 71.8305, 95.0500, 100.0000,
15.7116 108.9000

■ 36.4135, 71.7814,
15.3612

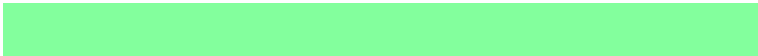
Harmonies

Analogous

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



61.4758, 78.7796, 27.0465



51.2059, 78.7796, 44.4054



47.2215, 78.7796, 80.2556

Triad

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



51.2059, 78.7796, 44.4054



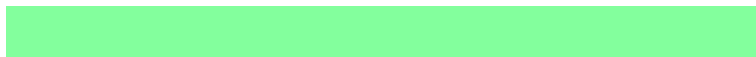
72.9239, 78.7796, 213.9235



107.3959, 78.7796, 51.0120

Complementary

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



51.2059, 78.7796, 44.4054



63.4993, 43.1502, 79.1102

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.



111.6495, 78.7796, 91.5472



51.2059, 78.7796, 44.4054



90.0981, 78.7796, 197.0026

Square

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



51.2059, 78.7796, 44.4054



58.5308, 78.7796, 187.3389



104.9085, 78.7796, 147.1340



94.0157, 78.7796, 29.7467

Rectangle

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



51.2059, 78.7796, 44.4054



48.1509, 78.7796, 114.5389



104.9085, 78.7796, 147.1340



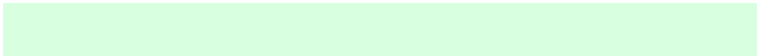
110.0188, 78.7796, 62.2855

Sweetspot

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



51.2064, 78.7799, 44.4067



77.8603, 91.6572, 84.6581



72.5543, 90.0149, 35.0240



16.2070, 19.3962, 17.4601



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.



51.2064, 78.7799, 44.4067



46.4310, 76.4902, 36.4045



57.7492, 81.3970, 78.8604



17.9274, 20.2305, 19.9205



19.0701, 37.5246, 8.2545



1.8944, 3.6687, 1.0016

Inverse Universe

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



63.4993, 43.1502, 79.1102



59.9609, 37.1774, 74.5276



56.4432, 40.3278, 41.9534



18.6199, 18.2313, 21.8816



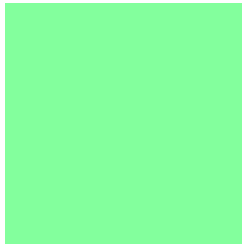
27.1467, 13.3480, 30.4866



2.6821, 1.3152, 3.1736

Previews

White Background



This preview shows how the XYZ color 51.2059, 78.7796, 44.4054 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 51.2059, 78.7796, 44.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

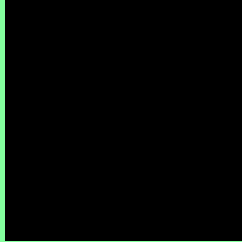
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

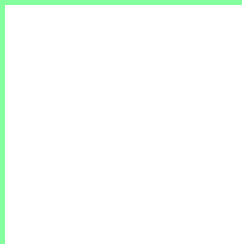
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2059, 78.7796, 44.4054

Background



This preview shows how black text looks on a background with the XYZ color 51.2059, 78.7796, 44.4054.



This preview shows how white text looks on a background with the XYZ color 51.2059, 78.7796,

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

51.2059, 78.7796, 44.4054

Protanopia

71.6431, 77.5186, 38.3807

Deuteranopia

76.8757, 77.3083, 60.7394



Tritanopia

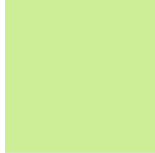
66.3721, 77.9517, 106.1557

Trichromacy



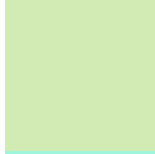
Original Color

51.2059, 78.7796, 44.4054



Protanomaly

61.2564, 76.3302, 40.3588



Deuteranomaly

64.1378, 75.8019, 53.8986



Tritanomaly

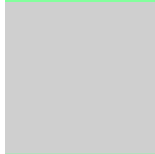
59.5391, 77.6884, 78.8751

Monochromacy



Original Color

51.2059, 78.7796, 44.4054



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 51.2059, 78.7796, 44.4054 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 51.2059, 78.7796, 44.4054 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, 157) }
```


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

```
.border{ border-color:rgb(131, 255, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2059, 78.7796, 44.4054 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, 157) }
```

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

```
.background{ background-color: rgb(131,  
255, 157) }
```

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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