

Converting Colors

XYZ(51.4383, 79.5477, 41.7187)

Have a look what the booklet for
XYZ(51.4383, 79.5477, 41.7187)
contains.

XYZ(51.0188, 78.7409, 41.7877)	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(51.0188, 78.7409,
41.7877)**

Conversions

Conversions Part 1

Format	Color
Hex	85FF97
RGB	133, 255, 151
RGB Percent	52%, 100%, 59%
CMY	0.4784, 0.0000, 0.4078
CMYK	0.48, 0.00, 0.41, 0.00
HSL	129°, 100%, 76%
HSV	129°, 48%, 100%
XYZ	51.0188, 78.7409, 41.7877
YIQ	206.6660, -39.3280, -58.2080

Conversions

Conversions Part 2

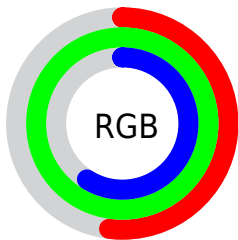
Format	Color
RYB	133, 239, 255
Decimal	8781719
CIELab	91.12, -55.36, 39.34
CIElCh	91, 67.916, 144.601
Yxy	78.7409, 0.2974, 0.4590
Android (android.graphics.Color)	4286971799 (0xFF85FF97)
YUV	206.6660, -27.4433, -64.6051
Hunter-Lab	88.7361, -52.6596, 34.1943

Details

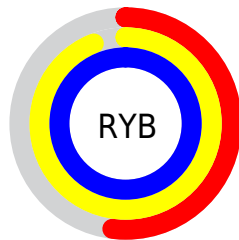
The XYZ color **51.0188, 78.7409, 41.7877** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.9136, 44.1498, 85.2202**, and the grayscale version is **59.2822, 62.3695, 67.9204**.

A 20% lighter version of the original color is **68.6388, 87.1827, 71.6028**, and **24.8909, 42.2111, 18.6400** is the 20% darker color. If you saturate the color by 10%, you get **45.8640, 76.2690, 33.1657**, and if you desaturate by 10%, it is **57.4771, 81.8472, 52.1723**.

Distribution



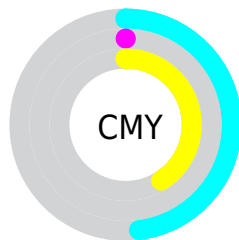
- Red (52%)
- Green (100%)
- Blue (59%)



- Red (52%)
- Yellow (94%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0188, 78.7409, 41.7877 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 51.0188, 78.7409, 41.7877 by changing the saturation by 10% instead.


 51.0188, 78.7409,
41.7877


 51.0188, 78.7409,
41.7877


381.0233,
490.6794, 369.3758


 36.4447, 58.6828,
28.6108


 90.8654, 131.5940,
79.1448

 24.9495, 42.3578,
18.5435


 116.8686,
165.1579, 104.1621

 16.1680, 29.3816,
11.1674


 147.4121,
203.9924, 133.9633

 9.7347, 19.3697,
6.0640

182.8614,
248.4820, 168.9668

 5.2843, 11.9377,
2.8146

223.5819,
299.0111, 209.5913

 2.4515, 6.7013,
1.0008

269.9387,

 0.8709, 3.2760,

355.9641, 256.2552

0.0000

322.2974,
419.7254, 309.3772

0.0000, 1.2775,
0.0000

0.0000, 0.1237,
0.0000

51.0188, 78.7409,
41.7877

51.0188, 78.7409,
41.7877

45.8640, 76.2690,
33.1657

57.4771, 81.8472,
52.1723

41.9215, 74.3866,
26.2046

65.3189, 85.6271,
64.4057

39.0904, 73.0438,
20.7986

74.6191, 90.1176,
78.5732

37.2521, 72.1821,
16.8276

85.4471, 95.3527,
94.7536

■ 36.2525, 71.7249, 95.0500, 100.0000,
14.1539 108.9000

■ 36.1038, 71.6575,
13.7307

Harmonies

Analogous

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



61.9170, 78.7409, 25.2858



51.0188, 78.7409, 41.7877



46.5410, 78.7409, 77.1397

Triad

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



51.0188, 78.7409, 41.7877



71.7760, 78.7409, 218.5830



109.0647, 78.7409, 52.0807

Complementary

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



51.0188, 78.7409, 41.7877



64.9136, 44.1498, 85.2202

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.



112.7708, 78.7409, 94.9472



51.0188, 78.7409, 41.7877



89.4485, 78.7409, 203.6952

Square

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



51.0188, 78.7409, 41.7877



57.2934, 78.7409, 188.2555



105.1187, 78.7409, 153.0264



95.6486, 78.7409, 29.4378

Rectangle

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



51.0188, 78.7409, 41.7877



47.2145, 78.7409, 111.8570



105.1187, 78.7409, 153.0264



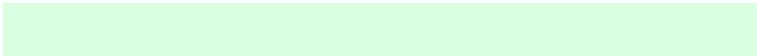
111.5660, 78.7409, 64.0344

Sweetspot

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



51.0193, 78.7411, 41.7890



78.5954, 92.0393, 84.5483



75.5005, 91.5179, 35.8763



16.3388, 19.4663, 17.3708



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.



51.0193, 78.7411, 41.7890



46.2503, 76.4539, 33.8266



57.0993, 81.1732, 73.8060



17.8808, 20.2118, 19.6750



18.8976, 37.4556, 7.3461



1.8709, 3.6593, 0.8778

Inverse Universe

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



64.9136, 44.1498, 85.2202



61.5654, 38.2513, 81.6441



57.6370, 41.2392, 46.9019



18.6706, 18.2516, 22.1488



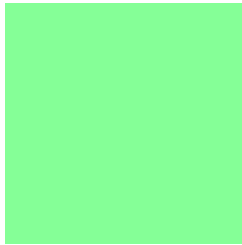
28.1624, 13.7542, 35.8351



2.7721, 1.3512, 3.6472

Previews

White Background



This preview shows how the XYZ color 51.0188, 78.7409, 41.7877 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 51.0188, 78.7409, 41.7877 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

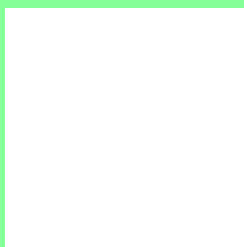
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0188, 78.7409, 41.7877

Background



This preview shows how black text looks on a background with the XYZ color 51.0188, 78.7409, 41.7877.

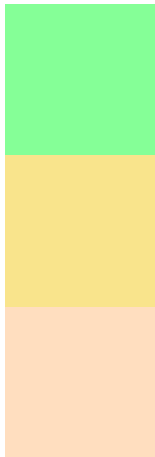


This preview shows how white text looks on a background with the XYZ color 51.0188, 78.7409,

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

51.0188, 78.7409, 41.7877

Protanopia

71.5439, 77.5200, 36.0030

Deuteranopia

76.7652, 77.2641, 60.1577



Tritanopia

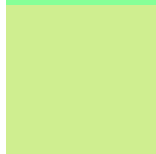
66.5957, 78.0670, 106.1662

Trichromacy



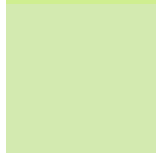
Original Color

51.0188, 78.7409, 41.7877



Protanomaly

61.3407, 76.4281, 37.9047



Deuteranomaly

64.1233, 75.8291, 52.3311



Tritanomaly

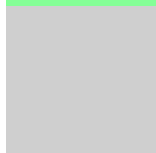
59.6740, 77.7882, 77.5151

Monochromacy



Original Color

51.0188, 78.7409, 41.7877



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 51.0188, 78.7409, 41.7877 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(133, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 151)  
}
```

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(133, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 51.0188, 78.7409, 41.7877 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(133, 255, 151) }
```


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

```
.border{ border-color:rgb(133, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0188, 78.7409, 41.7877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 151) }
```

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

```
.background{ background-color: rgb(133,  
255, 151) }
```

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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