

Converting Colors

XYZ(51.2930, 78.7976, 45.6277)

Have a look what the booklet for
XYZ(51.2930, 78.7976, 45.6277)
contains.

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Color

**XYZ(51.3111, 78.8039,
45.7640)**

Conversions

Conversions Part 1

Format	Color
Hex	82FFA0
RGB	130, 255, 160
RGB Percent	51%, 100%, 63%
CMY	0.4902, 0.0000, 0.3725
CMYK	0.49, 0.00, 0.37, 0.00
HSL	134°, 100%, 75%
HSV	134°, 49%, 100%
XYZ	51.3111, 78.8039, 45.7640
YIQ	206.7950, -44.0050, -56.0450

Conversions

Conversions Part 2

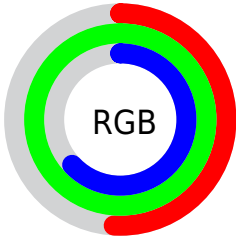
Format	Color
RYB	130, 231, 255
Decimal	8585120
CIELab	91.15, -54.71, 34.92
CIElCh	91, 64.904, 147.451
Yxy	78.8039, 0.2917, 0.4481
Android (android.graphics.Color)	4286775200 (0xFF82FFA0)
YUV	206.7950, -23.0699, -67.3492
Hunter-Lab	88.7716, -52.1749, 31.5746

Details

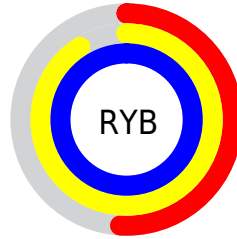
The XYZ color **51.3111, 78.8039, 45.7640** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.8134, 42.6619, 76.1575**, and the grayscale version is **59.3402, 62.4305, 67.9868**.

A 20% lighter version of the original color is **69.0120, 87.2451, 77.4927**, and **25.0040, 42.2230, 20.7419** is the 20% darker color. If you saturate the color by 10%, you get **46.3071, 76.4051, 37.3595**, and if you desaturate by 10%, it is **57.5495, 81.8085, 55.6083**.

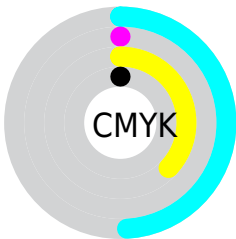
Distribution



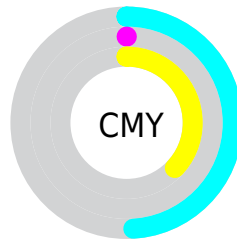
- Red (51%)
- Green (100%)
- Blue (63%)



- Red (51%)
- Yellow (91%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3111, 78.8039, 45.7640 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 51.3111, 78.8039, 45.7640 by changing the saturation by 10% instead.


 51.3111, 78.8039,
45.7640


 51.3111, 78.8039,
45.7640


382.1390,
490.8927, 386.1090


 36.6783, 58.7346,
31.7123


 91.2947, 131.6828,
85.1963

 25.1310, 42.3995,
20.8789


 117.3763,
165.2611, 111.4139

 16.3040, 29.4142,
12.8451


 148.0048,
204.1112, 142.5239

 9.8317, 19.3944,
7.1925

183.5456,
248.6176, 178.9449

 5.3489, 11.9556,
3.5025

224.3640,
299.1645, 221.0954

 2.4903, 6.7135,
1.3566

270.8255,

 0.8903, 3.2836,

356.1364, 269.3938

0.1075

323.2954,
419.9176, 324.2589

0.0000, 1.2815,
0.0000

0.0000, 0.1268,
0.0000

51.3111, 78.8039,
45.7640

51.3111, 78.8039,
45.7640

46.3071, 76.4051,
37.3595

57.5495, 81.8085,
55.6083

42.4507, 74.5688,
30.3233

65.0977, 85.4565,
66.9519

39.6462, 73.2472,
24.5835

74.0266, 89.7831,
79.8553

37.7804, 72.3835,
20.0597

84.4017, 94.8211,
94.3748

■ 36.6914, 71.8962, 95.0500, 100.0000,
16.6614 108.9000

■ 36.6078, 71.8591,
16.3843

Harmonies

Analogous

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



61.2663, 78.8039, 27.9699



51.3111, 78.8039, 45.7640



47.5753, 78.8039, 81.8437

Triad

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



51.3111, 78.8039, 45.7640



73.5048, 78.8039, 211.5745



106.5638, 78.8039, 50.5012

Complementary

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



51.3111, 78.8039, 45.7640



62.8134, 42.6619, 76.1575

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.



111.0843, 78.8039, 89.8901



51.3111, 78.8039, 45.7640



90.4213, 78.8039, 193.6825

Square

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



51.3111, 78.8039, 45.7640



59.1629, 78.8039, 186.8422



104.7968, 78.8039, 144.2398



93.2079, 78.8039, 29.9189

Rectangle

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



51.3111, 78.8039, 45.7640



48.6339, 78.8039, 115.8827



104.7968, 78.8039, 144.2398



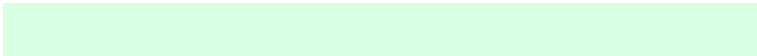
109.2451, 78.8039, 61.4403

Sweetspot

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



51.3116, 78.8041, 45.7653



78.0189, 91.7206, 85.4933



71.1013, 89.2736, 34.6038



16.2447, 19.4114, 17.6591



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.



51.3116, 78.8041, 45.7653



46.3154, 76.4090, 37.3741



58.1064, 81.5221, 81.5464



17.9502, 20.2396, 20.0410



19.1766, 37.5672, 8.8152



1.9077, 3.6740, 1.0719

Inverse Universe

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



62.8134, 42.6619, 76.1575



59.0176, 36.3804, 70.8537



55.8638, 39.8821, 39.5614



18.5953, 18.2214, 21.7520



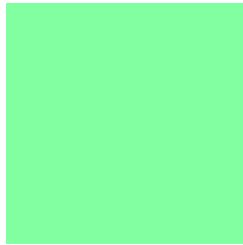
26.6865, 13.1639, 28.0633



2.6410, 1.2988, 2.9567

Previews

White Background



This preview shows how the XYZ color 51.3111, 78.8039, 45.7640 looks on a white background.

Color Contrast Check

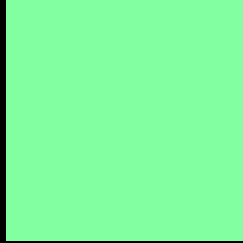
Large Text (above 18pt) WCAG AA × Fail

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 51.3111, 78.8039, 45.7640 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 51.3111, 78.8039, 45.7640

Background



This preview shows how black text looks on a background with the XYZ color 51.3111, 78.8039, 45.7640.



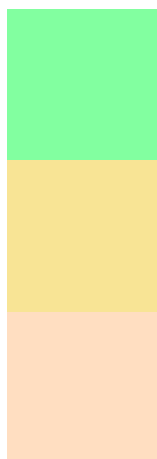
This preview shows how white text looks on a background with the XYZ color 51.3111, 78.8039,

45.7640.

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

51.3111, 78.8039, 45.7640

Protanopia

71.8796, 77.6132, 39.6262

Deuteranopia

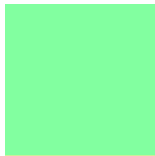
76.9869, 77.3528, 61.3250



Tritanopia

66.3721, 77.9517, 106.1557

Trichromacy



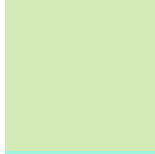
Original Color

51.3111, 78.8039, 45.7640



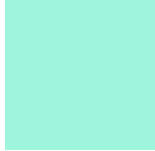
Protanomaly

61.5011, 76.4281, 41.6476



Deuteranomaly

64.3417, 75.8835, 54.9719



Tritanomaly

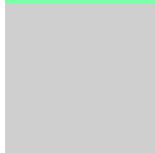
59.6712, 77.7412, 79.5707

Monochromacy



Original Color

51.3111, 78.8039, 45.7640



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 51.3111, 78.8039, 45.7640 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(130, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 160)  
}
```

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(130, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 51.3111, 78.8039, 45.7640 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(130, 255, 160) }
```


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

```
.border{ border-color:rgb(130, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3111, 78.8039, 45.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 160) }
```

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

```
.background{ background-color: rgb(130,  
255, 160) }
```

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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