

Converting Colors

XYZ(51.4487, 78.8153, 48.4605)

Have a look what the booklet for
XYZ(51.4487, 78.8153, 48.4605)
contains.

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Color

**XYZ(51.5450, 78.8624,
48.5816)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFA6
RGB	128, 255, 166
RGB Percent	50%, 100%, 65%
CMY	0.4980, 0.0000, 0.3490
CMYK	0.50, 0.00, 0.35, 0.00
HSL	138°, 100%, 75%
HSV	138°, 50%, 100%
XYZ	51.5450, 78.8624, 48.5816
YIQ	206.8810, -47.1230, -54.6030

Conversions

Conversions Part 2

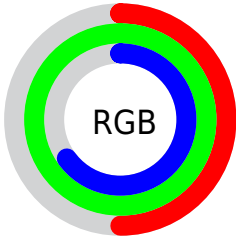
Format	Color
RYB	128, 226, 255
Decimal	8454054
CIELab	91.17, -54.21, 31.95
CIElCh	91, 62.922, 149.482
Yxy	78.8624, 0.2880, 0.4406
Android (android.graphics.Color)	4286644134 (0xFF80FFA6)
YUV	206.8810, -20.1543, -69.1786
Hunter-Lab	88.8045, -51.8007, 29.7278

Details

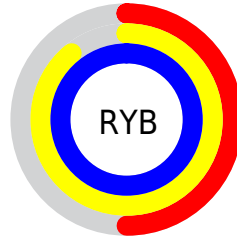
The XYZ color **51.5450, 78.8624, 48.5816** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4837, 41.7085, 70.4551**, and the grayscale version is **59.3788, 62.4711, 68.0311**.

A 20% lighter version of the original color is **69.4383, 87.3587, 82.3094**, and **25.1937, 42.2830, 22.4564** is the 20% darker color. If you saturate the color by 10%, you get **46.6523, 76.5165, 40.3824**, and if you desaturate by 10%, it is **57.6301, 81.7966, 58.0282**.

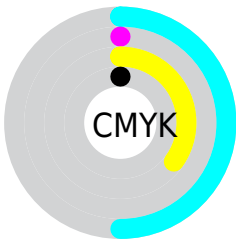
Distribution



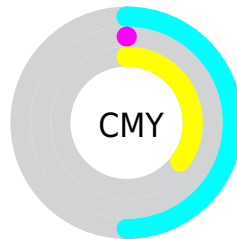
- Red (50%)
- Green (100%)
- Blue (65%)



- Red (50%)
- Yellow (89%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5450, 78.8624, 48.5816 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 51.5450, 78.8624, 48.5816 by changing the saturation by 10% instead.


 51.5450, 78.8624,
48.5816


 51.5450, 78.8624,
48.5816


383.0304,
491.0907, 397.6679


 36.8653, 58.7827,
33.9244


 91.6381, 131.7651,
89.4443

 25.2764, 42.4382,
22.5587


 117.7822,
165.3569, 116.4868

 16.4130, 29.4446,
14.0657


 148.4785,
204.2216, 148.4950

 9.9095, 19.4174,
8.0271

184.0924,
248.7434, 185.8872

 5.4008, 11.9723,
4.0243

224.9891,
299.3068, 229.0821

 2.5215, 6.7248,
1.6387

271.5341,

 0.9061, 3.2906,

356.2963, 278.4981

0.3182

324.0928,
420.0961, 334.5538

0.0000, 1.2853,
0.0000

0.0000, 0.1297,
0.0000

51.5450, 78.8624,
48.5816

51.5450, 78.8624,
48.5816

46.6523, 76.5165,
40.3824

57.6301, 81.7966,
58.0282

42.8676, 74.7166,
33.3741

64.9809, 85.3560,
68.7677

40.0972, 73.4155,
27.5015

73.6665, 89.5751,
80.8481

38.2300, 72.5572,
22.7032

83.7502, 94.4859,
94.3138

■ 37.0936, 72.0542, 95.0500, 100.0000,
18.9100 108.9000

■ 37.0750, 72.0460,
18.8449

Harmonies

Analogous

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



60.8698, 78.8624, 29.9055



51.5450, 78.8624, 48.5816



48.3104, 78.8624, 85.0776

Triad

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



51.5450, 78.8624, 48.5816



74.6799, 78.8624, 206.8437



104.9060, 78.8624, 49.5267

Complementary

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



51.5450, 78.8624, 48.5816



61.4837, 41.7085, 70.4551

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.



109.9457, 78.8624, 86.6628



51.5450, 78.8624, 48.5816



91.0639, 78.8624, 187.1017

Square

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



51.5450, 78.8624, 48.5816



60.4536, 78.8624, 185.7728



104.5601, 78.8624, 138.5593



91.6108, 78.8624, 30.2996

Rectangle

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



51.5450, 78.8624, 48.5816



49.6298, 78.8624, 118.5724



104.5601, 78.8624, 138.5593



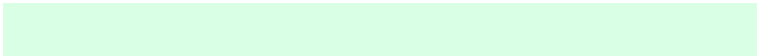
107.6988, 78.8624, 59.8084

Sweetspot

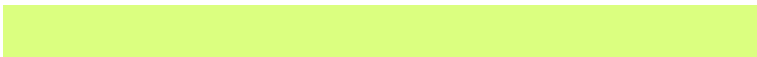
The Sweet Spot groups the original color and five complimentary colors.



51.5455, 78.8626, 48.5829



78.3317, 91.8457, 87.1405



68.8750, 88.1413, 33.8055



16.3194, 19.4412, 18.0520



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.



51.5455, 78.8626, 48.5829



46.5675, 76.4760, 40.2332



58.5943, 81.6821, 85.7015



17.9952, 20.2576, 20.2778



19.4296, 37.6684, 10.1473



1.9375, 3.6859, 1.2288

Inverse Universe

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



61.4837, 41.7085, 70.4551



57.5271, 35.3770, 64.2602



54.9194, 39.0828, 35.8881



18.5475, 18.2023, 21.5003



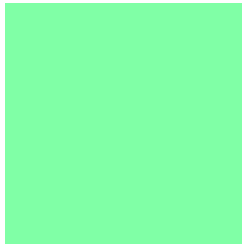
25.8535, 12.8307, 23.6768



2.5655, 1.2686, 2.5595

Previews

White Background



This preview shows how the XYZ color 51.5450, 78.8624, 48.5816 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 51.5450, 78.8624, 48.5816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

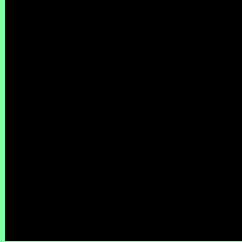
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5450, 78.8624, 48.5816

Background



This preview shows how black text looks on a background with the XYZ color 51.5450, 78.8624, 48.5816.

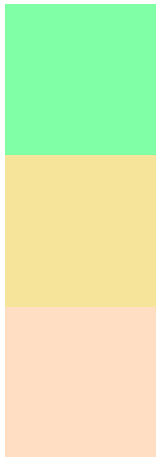


This preview shows how white text looks on a background with the XYZ color 51.5450, 78.8624,

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

51.5450, 78.8624, 48.5816

Protanopia

72.0176, 77.6275, 42.1982

Deuteranopia

77.2116, 77.4427, 62.5082



Tritanopia

66.6656, 78.5388, 106.2536

Trichromacy



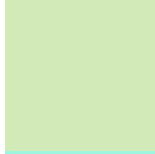
Original Color

51.5450, 78.8624, 48.5816



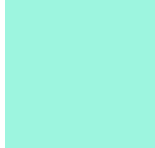
Protanomaly

61.7344, 76.4896, 44.3111



Deuteranomaly

64.3690, 75.8616, 56.5976



Tritanomaly

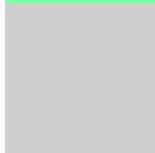
59.8763, 77.8006, 81.6732

Monochromacy



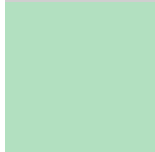
Original Color

51.5450, 78.8624, 48.5816



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.5302, 66.5821, 59.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5450, 78.8624, 48.5816 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(128, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 166)  
}
```

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(128, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 51.5450, 78.8624, 48.5816 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(128, 255, 166) }
```


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

```
.border{ border-color:rgb(128, 255, 166) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5450, 78.8624, 48.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 166) }
```

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

```
.background{ background-color: rgb(128,  
255, 166) }
```

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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