

Converting Colors

XYZ(51.6968, 78.4833, 38.5989)

Have a look what the booklet for
XYZ(51.6968, 78.4833, 38.5989)
contains.

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Color

**XYZ(51.7274, 78.7064,
38.4521)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFE8F
RGB	143, 254, 143
RGB Percent	56%, 100%, 56%
CMY	0.4392, 0.0039, 0.4392
CMYK	0.44, 0.00, 0.44, 0.00
HSL	120°, 98%, 78%
HSV	120°, 44%, 100%
XYZ	51.7274, 78.7064, 38.4521
YIQ	208.1570, -30.5250, -58.0530

Conversions

Conversions Part 2

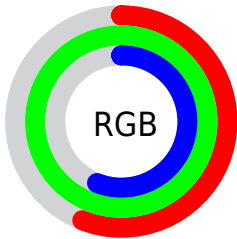
Format	Color
RYB	143, 254, 254
Decimal	9436815
CIELab	91.10, -53.42, 43.29
CIELCh	91, 68.759, 140.980
Yxy	78.7064, 0.3063, 0.4660
Android (android.graphics.Color)	4287626895 (0xFF8FFE8F)
YUV	208.1570, -32.1224, -57.1427
Hunter-Lab	88.7166, -51.1773, 36.4038

Details

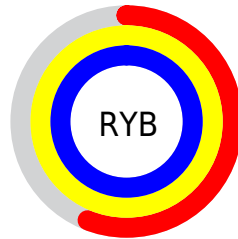
The XYZ color **51.7274, 78.7064, 38.4521** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.5873, 47.8729, 99.3938**, and the grayscale version is **60.2738, 63.4127, 69.0564**.

A 20% lighter version of the original color is **70.0404, 88.0147, 66.7231**, and **25.2844, 42.1200, 16.6949** is the 20% darker color. If you saturate the color by 10%, you get **46.1069, 76.0089, 29.2572**, and if you desaturate by 10%, it is **58.7829, 82.0979, 49.9912**.

Distribution



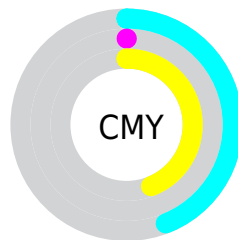
- Red (56%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7274, 78.7064, 38.4521 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 51.7274, 78.7064, 38.4521 by changing the saturation by 10% instead.


 51.7274, 78.7064,
38.4521


 51.7274, 78.7064,
38.4521


383.7246,
490.5625, 354.9116

 37.0112, 58.6544,
26.0292


 91.9057, 131.5455,
74.0117

 25.3899, 42.3350,
16.6195


 118.0985,
165.1013, 97.9854

 16.4981, 29.3637,
9.8045


148.8476,
203.9273, 126.6465

 9.9703, 19.3561,
5.1656

184.5184,
248.4078, 160.4136

 5.4414, 11.9279,
2.2843

225.4761,
298.9272, 199.7050

 2.5459, 6.6946,
0.7224


272.0861,


 0.9185, 3.2718,


355.8698, 244.9395


0.0000


324.7138,
419.6201, 296.5355


 0.0000, 1.2753,
0.0000

 0.0000, 0.1219,
0.0000


 51.7274, 78.7064,
38.4521


 51.7274, 78.7064,
38.4521


 46.1069, 76.0089,
29.2572


 58.7829, 82.0979,
49.9912


 41.8177, 73.9486,
22.2413

 67.3562, 86.2161,
64.0143

 38.7516, 72.4758,
17.2261

 77.5306, 91.1034,
80.6565

 36.7811, 71.5293,
14.0029

 89.3820, 96.7962,
100.0414

■ 35.7506, 71.0343,
12.3171

94.7334, 99.3667,
108.7945

■ 35.4434, 70.8867,
11.8146

Harmonies

Analogous

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



63.4668, 78.7064, 23.7885



51.7274, 78.7064, 38.4521



46.4131, 78.7064, 71.5486

Triad

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



51.7274, 78.7064, 38.4521



69.6890, 78.7064, 219.2773



110.5601, 78.7064, 55.7886

Complementary

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



51.7274, 78.7064, 38.4521



68.5873, 47.8729, 99.3938

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.



112.9156, 78.7064, 101.5995



51.7274, 78.7064, 38.4521



87.4258, 78.7064, 209.7602

Square

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



51.7274, 78.7064, 38.4521



55.6749, 78.7064, 183.6654



103.8991, 78.7064, 161.2028



97.8882, 78.7064, 30.7636

Rectangle

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



51.7274, 78.7064, 38.4521



46.5577, 78.7064, 105.2554



103.8991, 78.7064, 161.2028



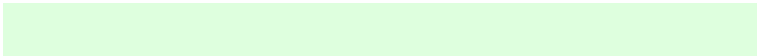
112.6545, 78.7064, 68.7268

Sweetspot

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



51.7294, 78.7097, 38.4539



79.0031, 92.2918, 82.6525



81.2762, 93.9417, 39.8358



16.3887, 19.5039, 16.8385



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.



51.7294, 78.7097, 38.4539



47.3806, 77.1020, 30.9283



57.0224, 80.8269, 66.3265



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



68.5873, 47.8729, 99.3938



66.2984, 42.4973, 99.3142



60.9486, 44.8174, 59.1690



18.7927, 18.3004, 22.7917



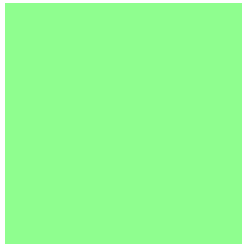
30.9799, 14.8813, 50.6721



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 51.7274, 78.7064, 38.4521 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 51.7274, 78.7064, 38.4521 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 51.7274, 78.7064, 38.4521

Background



This preview shows how black text looks on a background with the XYZ color 51.7274, 78.7064, 38.4521.



This preview shows how white text looks on a background with the XYZ color 51.7274, 78.7064,

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

51.7274, 78.7064, 38.4521

Protanopia

71.4014, 77.5043, 33.3869

Deuteranopia

76.8130, 77.7095, 59.0951



Tritanopia

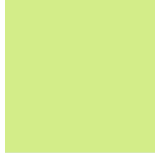
67.2766, 78.4180, 106.1981

Trichromacy



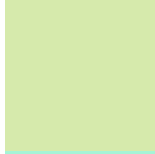
Original Color

51.7274, 78.7064, 38.4521



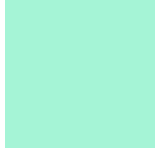
Protanomaly

61.6635, 76.2234, 35.1295



Deuteranomaly

64.6008, 76.1203, 50.3176



Tritanomaly

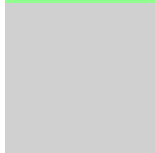
60.0053, 77.5557, 75.4255

Monochromacy



Original Color

51.7274, 78.7064, 38.4521



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.3441, 67.5015, 55.4595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7274, 78.7064, 38.4521 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(143, 254, 143)` looks like.

```
.text, #text, p{  
    color:rgb(143, 254, 143)  
}
```

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(143, 254, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 254, 143) }
```

Border

The CSS property to change the border of an element to XYZ 51.7274, 78.7064, 38.4521 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(143, 254, 143) }
```


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

```
.border{ border-color:rgb(143, 254, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 254, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 254, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 254, 143);  
box-shadow:4px 4px 4px 4px rgb(143, 254,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7274, 78.7064, 38.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 254, 143) }
```

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

```
.background{ background-color: rgb(143,  
254, 143) }
```

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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