

Converting Colors

XYZ(53.4335, 82.5411, 35.2810)

Have a look what the booklet for
XYZ(53.4335, 82.5411, 35.2810)
contains.

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Color

**XYZ(51.8477, 79.3244,
34.7688)**

Conversions

Conversions Part 1

Format	Color
Hex	92FF85
RGB	146, 255, 133
RGB Percent	57%, 100%, 52%
CMY	0.4274, 0.0000, 0.4784
CMYK	0.43, 0.00, 0.48, 0.00
HSL	114°, 100%, 76%
HSV	114°, 48%, 100%
XYZ	51.8477, 79.3244, 34.7688
YIQ	208.5010, -25.8020, -61.0500

Conversions

Conversions Part 2

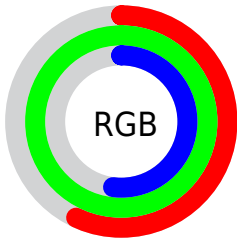
Format	Color
RYB	133, 255, 242
Decimal	9633669
CIELab	91.38, -54.31, 48.44
CIElCh	91, 72.772, 138.271
Yxy	79.3244, 0.3124, 0.4780
Android (android.graphics.Color)	4287823749 (0xFF92FF85)
YUV	208.5010, -37.2220, -54.8134
Hunter-Lab	89.0642, -51.9508, 39.1994

Details

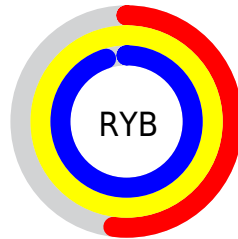
The XYZ color **51.8477, 79.3244, 34.7688** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.0568, 42.8737, 99.5597**, and the grayscale version is **60.5258, 63.6778, 69.3451**.

A 20% lighter version of the original color is **70.0139, 88.1300, 60.8976**, and **25.3447, 42.5379, 14.4643** is the 20% darker color. If you saturate the color by 10%, you get **46.6400, 76.8192, 26.4186**, and if you desaturate by 10%, it is **58.2909, 82.4172, 45.4113**.

Distribution



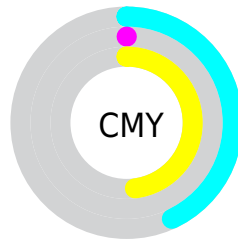
- Red (57%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (95%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8477, 79.3244, 34.7688 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 51.8477, 79.3244, 34.7688 by changing the saturation by 10% instead.


 51.8477, 79.3244,
34.7688


 51.8477, 79.3244,
34.7688


384.1820,
492.6531, 338.4199


 37.1075, 59.1626,
23.2027


 92.0821, 132.4155,
68.2749

 25.4648, 42.7440,
14.5366


 118.3071,
166.1135, 91.0521

 16.5542, 29.6843,
8.3518


 149.0910,
205.0923, 118.4033

 10.0105, 19.5991,
4.2299

184.7991,
249.7364, 150.7472

 5.4682, 12.1040,
1.7523

225.7970,
300.4301, 188.5022

 2.5621, 6.8145,
0.3962


272.4498,


 0.9267, 3.3464,


357.5579, 232.0870


0.0000


325.1230,
421.5041, 281.9200

 0.0000, 1.3151,
0.0000


 0.0000, 0.1529,
0.0000


 51.8477, 79.3244,
34.7688


 51.8477, 79.3244,
34.7688


 46.6400, 76.8192,
26.4186


 58.2909, 82.4172,
45.4113


 42.5868, 74.8634,
20.1889

 66.0409, 86.1309,
58.4935

 39.5996, 73.4155,
15.8898

 75.1651, 90.4974,
74.1550

 37.5757, 72.4274,
13.2960

 85.7256, 95.5459,
92.5238

■ 36.3884, 71.8405, 95.0500, 100.0000,
12.1068 108.9000

■ 36.2164, 71.7553,
11.9414

Harmonies

Analogous

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



64.7870, 79.3244, 21.2643



51.8477, 79.3244, 34.7688



45.6609, 79.3244, 67.2765

Triad

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



51.8477, 79.3244, 34.7688



68.3946, 79.3244, 229.3941



114.4578, 79.3244, 58.2139

Complementary

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



51.8477, 79.3244, 34.7688



63.0568, 42.8737, 99.5597

Split Complementary

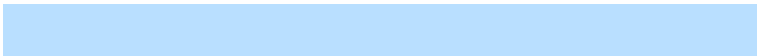
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.8506, 79.3244, 108.7740



51.8477, 79.3244, 34.7688



87.1030, 79.3244, 223.6739

Square

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



51.8477, 79.3244, 34.7688



54.1154, 79.3244, 186.8566



105.1715, 79.3244, 173.4453



101.6299, 79.3244, 30.4784

Rectangle

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



51.8477, 79.3244, 34.7688



45.3946, 79.3244, 101.8654



105.1715, 79.3244, 173.4453



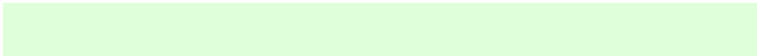
116.3476, 79.3244, 72.5329

Sweetspot

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



51.8481, 79.3246, 34.7700



79.0490, 92.3547, 80.8850



76.8603, 85.7263, 34.6874



16.4472, 19.5418, 16.4931



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.



51.8481, 79.3246, 34.7700



47.0327, 77.0084, 27.0374



53.6481, 79.7927, 55.6306



17.9511, 20.2607, 19.1089



18.9816, 37.5234, 6.2423



1.9043, 3.6825, 0.6104

Inverse Universe

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



63.0568, 42.8737, 99.5597



59.3588, 36.7369, 98.5701



61.0421, 42.6016, 64.8316



18.5908, 18.1963, 22.7823



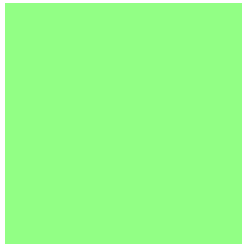
26.1987, 12.4164, 50.4504



2.6033, 1.2360, 4.9146

Previews

White Background



This preview shows how the XYZ color 51.8477, 79.3244, 34.7688 looks on a white background.

Color Contrast Check

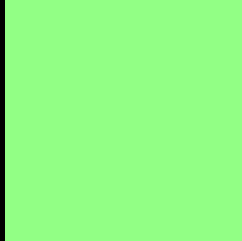
Large Text (above 18pt) WCAG AA × Fail

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 51.8477, 79.3244, 34.7688 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 51.8477, 79.3244, 34.7688

Background



This preview shows how black text looks on a background with the XYZ color 51.8477, 79.3244, 34.7688.

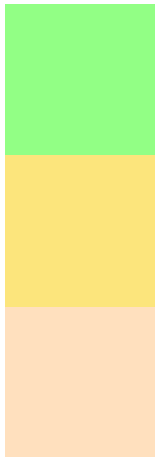


This preview shows how white text looks on a background with the XYZ color 51.8477, 79.3244,

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

51.8477, 79.3244, 34.7688

Protanopia

71.8023, 78.1893, 30.3764

Deuteranopia

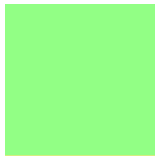
77.1899, 78.2890, 59.7581



Tritanopia

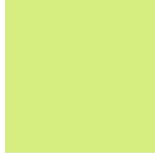
68.2079, 78.8981, 106.2417

Trichromacy



Original Color

51.8477, 79.3244, 34.7688



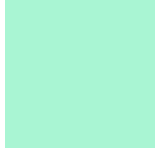
Protanomaly

61.8459, 76.8275, 31.6482



Deuteranomaly

64.8941, 76.7283, 48.9259



Tritanomaly

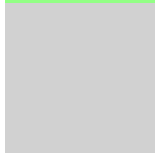
60.7725, 78.4430, 73.5660

Monochromacy



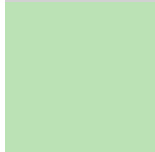
Original Color

51.8477, 79.3244, 34.7688



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

55.7865, 68.1680, 53.9335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8477, 79.3244, 34.7688 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(146, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 133)  
}
```

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(146, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 51.8477, 79.3244, 34.7688 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(146, 255, 133) }
```


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

```
.border{ border-color:rgb(146, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 255, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 255, 133); box-shadow:4px 4px 4px 4px rgb(146, 255, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8477, 79.3244, 34.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 133) }
```

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

```
.background{ background-color: rgb(146,  
255, 133) }
```

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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