

# Converting Colors

XYZ(51.9485, 77.4876, 39.0921)

Have a look what the booklet for  
XYZ(51.9485, 77.4876, 39.0921)  
contains.

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# Color

**XYZ(51.8208, 77.3346,  
38.9839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FB91
RGB	148, 251, 145
RGB Percent	58%, 98%, 57%
CMY	0.4196, 0.0157, 0.4314
CMYK	0.41, 0.00, 0.42, 0.02
HSL	118°, 93%, 78%
HSV	118°, 42%, 98%
XYZ	51.8208, 77.3346, 38.9839
YIQ	208.1190, -27.3620, -54.8020

# Conversions

## Conversions Part 2

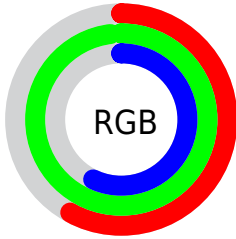
Format	Color
<a href="#">RYB</a>	<a href="#">145, 251, 248</a>
Decimal	<a href="#">9763729</a>
CIELab	<a href="#">90.48, -50.48, 41.56</a>
CIElCh	<a href="#">90, 65.386, 140.533</a>
Yxy	<a href="#">77.3346, 0.3082, 0.4599</a>
Android (android.graphics.Color)	<a href="#">4287953809 (0xFF94FB91)</a>
YUV	<a href="#">208.1190, -31.1177, -52.7244</a>
Hunter-Lab	<a href="#">87.9401, -48.7098, 35.2748</a>

# Details

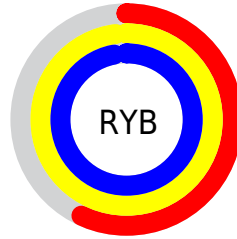
The XYZ color **51.8208, 77.3346, 38.9839** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.2530, 47.1747, 96.8846**, and the grayscale version is **60.2413, 63.3786, 69.0193**.

A 20% lighter version of the original color is **71.6389, 88.8119, 68.0102**, and **25.5820, 41.5980, 17.0368** is the 20% darker color. If you saturate the color by 10%, you get **46.1390, 74.6073, 29.7071**, and if you desaturate by 10%, it is **58.8636, 80.7187, 50.5594**.

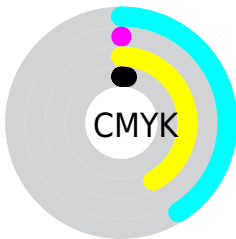
# Distribution



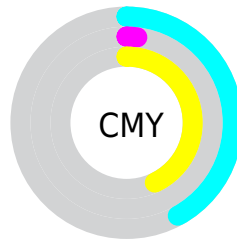
- Red (58%)
- Green (98%)
- Blue (57%)



- Red (57%)
- Yellow (98%)
- Blue (97%)



- Cyan (41%)
- Magenta (0%)
- Yellow (42%)
- Black (2%)




- Cyan (42%)
- Magenta (2%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8208, 77.3346, 38.9839 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 51.8208, 77.3346, 38.9839 by changing the saturation by 10% instead.





 51.8208, 77.3346,  
38.9839


 51.8208, 77.3346,  
38.9839

384.0797,  
485.9041, 357.2460

 37.0860, 57.5275,  
26.4395


 92.0427, 129.6117,  
74.8338

 25.4480, 41.4289,  
16.9240


 118.2605,  
162.8505, 98.9763

 16.5417, 28.6544,  
10.0189


149.0366,  
201.3354, 127.8220

 10.0015, 18.8195,  
5.3057

184.7364,  
245.4507, 161.7893

 5.4622, 11.5399,  
2.3659

225.7252,  
295.5808, 201.2968

 2.5585, 6.4312,  
0.7678


272.3685,


 0.9248, 3.1090,


352.1101, 246.7631


0.0000


325.0316,  
415.4231, 298.6066


 0.0000, 1.1889,  
0.0000


 0.0000, 0.0526,  
0.0000


 51.8208, 77.3346,  
38.9839


 51.8208, 77.3346,  
38.9839

 46.1390, 74.6073,  
29.7071


 58.8636, 80.7187,  
50.5594


 41.7250, 72.4851,  
22.5712

 67.3411, 84.7877,  
64.5672

 38.4831, 70.9249,  
17.4067

 77.3288, 89.5802,  
81.1368

 36.3019, 69.8731,  
14.0161

 88.8951, 95.1287,  
100.3871

■ 35.0478, 69.2664,  
12.1613

■ 93.7887, 97.4774,  
108.4796

■ 34.5876, 69.0432,  
11.5037

# Harmonies

## Analogous

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



63.0266, 77.3346, 24.9253



51.8208, 77.3346, 38.9839



46.6665, 77.3346, 70.2548

# Triad

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



51.8208, 77.3346, 38.9839



68.4568, 77.3346, 207.7842



107.0247, 77.3346, 56.4247

# Complementary

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



51.8208, 77.3346, 38.9839



66.2530, 47.1747, 96.8846

# 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.



109.0516, 77.3346, 99.8877



51.8208, 77.3346, 38.9839



85.0831, 77.3346, 199.6919

# Square

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



51.8208, 77.3346, 38.9839



55.2885, 77.3346, 174.5124



100.5226, 77.3346, 155.3206



95.3368, 77.3346, 32.0933



# Rectangle

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



51.8208, 77.3346, 38.9839



46.7414, 77.3346, 101.7452



100.5226, 77.3346, 155.3206



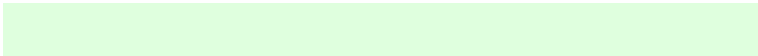
108.9197, 77.3346, 68.8049

# Sweetspot

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



51.8227, 77.3379, 38.9856



79.2907, 92.4402, 82.6655



78.3016, 89.3648, 39.9115



16.4583, 19.5398, 16.8416



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

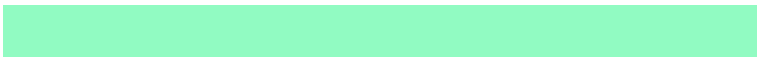
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8227, 77.3379, 38.9856



48.4554, 77.6375, 31.8170



55.9668, 78.9337, 63.6024



17.0628, 19.3326, 18.2947



18.1999, 36.3007, 6.0475



1.7011, 3.3700, 0.5608



# Inverse Universe

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



66.2530, 47.1747, 96.8846



65.2769, 42.4436, 99.3597



60.5172, 45.0042, 61.0874



17.9416, 17.4981, 21.8171



28.7676, 13.7729, 49.1158

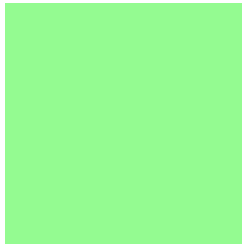


2.6793, 1.2833, 4.5497



# Previews

## White Background



This preview shows how the XYZ color 51.8208, 77.3346, 38.9839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

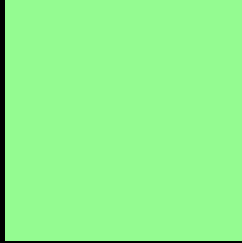
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8208, 77.3346, 38.9839 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 51.8208, 77.3346, 38.9839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8208, 77.3346, 38.9839.



This preview shows how white text looks on a background with the XYZ color 51.8208, 77.3346,



# 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

51.8208, 77.3346, 38.9839

### Protanopia

70.3517, 76.1267, 34.2786

### Deuteranopia

75.5902, 75.9492, 56.5746



## Tritanopia

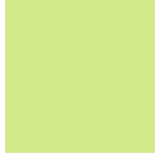
66.0134, 76.9023, 105.9721

# Trichromacy



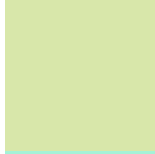
## Original Color

51.8208, 77.3346, 38.9839



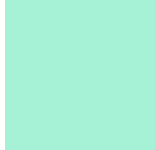
## Protanomaly

61.5199, 75.2778, 35.7137



## Deuteranomaly

64.1505, 74.6530, 49.0586



## Tritanomaly

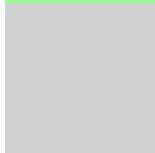
59.5349, 76.4099, 75.9007

# Monochromacy



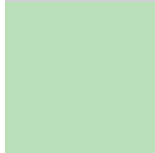
## Original Color

51.8208, 77.3346, 38.9839



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.6623, 67.2532, 55.9464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8208, 77.3346, 38.9839 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(148, 251, 145)` looks like.

```
.text, #text, p{  
    color:rgb(148, 251, 145)  
}
```

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(148, 251, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 251, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8208, 77.3346, 38.9839 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(148, 251, 145) }
```



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

```
.border{ border-color:rgb(148, 251, 145) }
```

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

Here you see how a box with a 4 pixel rgb(148, 251, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 251, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 251, 145);  
box-shadow:4px 4px 4px 4px rgb(148, 251,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8208, 77.3346, 38.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 251, 145) }
```

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

```
.background{ background-color: rgb(148,  
251, 145) }
```

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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