

# Converting Colors

XYZ(39.7844, 27.9977,  
120.3277)

Have a look what the booklet for  
XYZ(39.7844, 27.9977, 120.3277)  
contains.

|  |    |
|--|----|
| <b>XYZ(35.5348, 26.3837, 97.8274)</b> .....    | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 12 |
| <i><b>Previews</b></i> .....                   | 24 |
| <i><b>Color Blindness Simulation</b></i> ..... | 28 |
| <i><b>CSS Examples</b></i> .....               | 31 |

# Color

**XYZ(35.5348, 26.3837,  
97.8274)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 8B79FF                      |
| RGB         | 139, 121, 255               |
| RGB Percent | 55%, 47%, 100%              |
| CMY         | 0.4549, 0.5255, 0.0000      |
| CMYK        | 0.45, 0.53, 0.00, 0.00      |
| HSL         | 248°, 100%, 74%             |
| HSV         | 248°, 53%, 100%             |
| XYZ         | 35.5348, 26.3837, 97.8274   |
| YIQ         | 141.6580, -32.2860, 45.4900 |

# Conversions

## Conversions Part 2

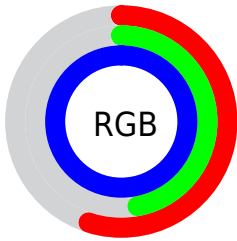
| <b>Format</b>                       | <b>Color</b>                                   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">139, 121, 255</a>                  |
| Decimal                             | <a href="#">9140735</a>                        |
| CIELab                              | <a href="#">58.40, 39.51, -64.71</a>           |
| CIElCh                              | <a href="#">58, 75.821, 301.406</a>            |
| Yxy                                 | <a href="#">26.3837, 0.2224,<br/>0.1652</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4287330815<br/>(0xFF8B79FF)</a>    |
| YUV                                 | <a href="#">141.6580, 55.8776,<br/>-2.3311</a> |
| Hunter-Lab                          | <a href="#">51.3651, 33.5990,<br/>-76.9653</a> |

# Details

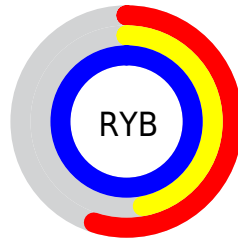
The XYZ color **35.5348, 26.3837, 97.8274** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.1352, 90.9045, 31.7287**, and the grayscale version is **25.3730, 26.6943, 29.0701**.

A 20% lighter version of the original color is **56.4748, 49.4979, 101.1852**, and **15.6199, 10.3282, 53.9936** is the 20% darker color. If you saturate the color by 10%, you get **29.5144, 19.2722, 96.7721**, and if you desaturate by 10%, it is **43.1202, 35.5180, 99.1907**.

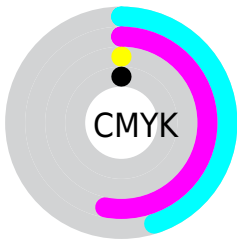
# Distribution



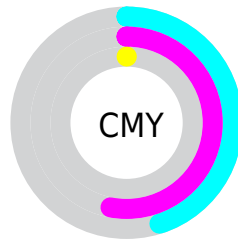
- Red (55%)
- Green (47%)
- Blue (100%)



- Red (55%)
- Yellow (47%)
- Blue (100%)



- Cyan (45%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (53%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5348, 26.3837, 97.8274 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 35.5348, 26.3837, 97.8274 by changing the saturation by 10% instead.





 35.5348, 26.3837,  
97.8274


 35.5348, 26.3837,  
97.8274


318.3895,  
284.6606, 574.3915

 24.2436, 17.1109,  
73.8806


 67.6420, 53.8933,  
160.1941

 15.6401, 10.3136,  
54.2001


 89.1887, 72.8989,  
199.4510

 9.3591, 5.6074,  
38.3674


 114.8846, 95.9176,  
244.6484

 5.0351, 2.6078,  
25.9639

145.0950,  
123.3337, 296.2049

 2.3028, 0.9306,  
16.5711

180.1854,  
155.5317, 354.5388

 0.7961, 0.0000,  
9.7705

220.5210,

 0.0000, 0.0000,

192.8959, 420.0689

5.1434

266.4673,  
235.8107, 493.2136

■ 0.0000, 0.0000,  
2.2715

■ 0.0000, 0.0000,  
0.7152

■ 35.5348, 26.3837,  
97.8274

■ 35.5348, 26.3837,  
97.8274

■ 29.5144, 19.2722,  
96.7721

■ 43.1202, 35.5180,  
99.1907

■ 24.9447, 14.0258,  
96.0003

■ 52.3677, 46.8117,  
100.8832

■ 21.7007, 10.4670,  
95.4843

■ 63.3698, 60.3921,  
102.9246

■ 19.6335, 8.3821,  
95.1908

■ 76.2116, 76.3761,  
105.3330

■ 18.7183, 7.5645,  
95.0813

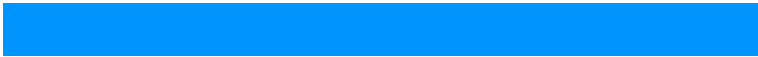
■ 90.9725, 94.8723,  
108.1252

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



25.5160, 26.3837, 115.6725



35.5348, 26.3837, 97.8274



44.1612, 26.3837, 60.6545

# Triad

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



35.5348, 26.3837, 97.8274



34.5893, 26.3837, 3.1970



11.1670, 26.3837, 29.9960

# Complementary

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



35.5348, 26.3837, 97.8274



74.1352, 90.9045, 31.7287

# 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.



12.4770, 26.3837, 10.5939



35.5348, 26.3837, 97.8274



24.6429, 26.3837, 1.9668

# Square

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



35.5348, 26.3837, 97.8274



43.5276, 26.3837, 9.5187



16.9030, 26.3837, 3.4951



12.7532, 26.3837, 64.2891



# Rectangle

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



35.5348, 26.3837, 97.8274



47.0963, 26.3837, 37.0312



16.9030, 26.3837, 3.4951



11.2807, 26.3837, 21.7681

# Sweetspot

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



35.5359, 26.3845, 97.8275



71.5662, 70.5805, 104.4592



56.2583, 71.9308, 105.5267



14.7481, 14.3974, 22.2516



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.



35.5359, 26.3845, 97.8275



29.2776, 18.9963, 96.7313



50.3043, 33.9980, 98.5187



17.2299, 17.4947, 22.7187



9.8498, 3.9882, 49.6852



1.0255, 0.4226, 4.8408



# Inverse Universe

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



63.3631, 41.0494, 84.7019



60.0414, 35.2348, 81.0391



55.8179, 81.4615, 30.8714



18.6815, 18.2559, 22.2058



28.3909, 13.8457, 37.0386

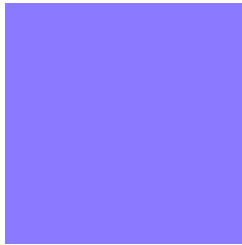


2.7922, 1.3592, 3.7529



# Previews

## White Background



This preview shows how the XYZ color 35.5348, 26.3837, 97.8274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

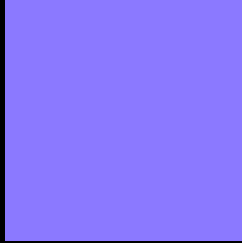
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 35.5348, 26.3837, 97.8274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

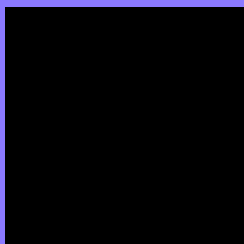
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.5348, 26.3837, 97.8274**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5348, 26.3837, 97.8274.



This preview shows how white text looks on a background with the XYZ color 35.5348, 26.3837,



# 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

35.5348, 26.3837, 97.8274

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

27.5555, 26.5715, 94.1190



## Tritanopia

23.0213, 26.1958, 35.7412

# Trichromacy



## Original Color

35.5348, 26.3837, 97.8274

## Protanomaly

31.5331, 26.2193, 98.0066

## Deuteranomaly

28.7683, 25.4562, 95.4927

## Tritanomaly

26.4558, 25.5961, 53.9983

# Monochromacy



## Original Color

35.5348, 26.3837, 97.8274

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

28.0568, 26.1318, 48.3649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5348, 26.3837, 97.8274 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(139, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 121, 255)  
}
```

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(139, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 121, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5348, 26.3837, 97.8274 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(139, 121, 255) }
```



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

```
.border{ border-color:rgb(139, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 121,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5348, 26.3837, 97.8274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 121, 255) }
```

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

```
.background{ background-color: rgb(139,  
121, 255) }
```

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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