

# Converting Colors

XYZ(64.5599, 39.0199, 98.7366)

Have a look what the booklet for  
XYZ(64.5599, 39.0199, 98.7366)  
contains.

<b>XYZ(64.5477, 38.9954, 98.7326)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.5477, 38.9954,  
98.7326)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF6BFF
RGB	255, 107, 255
RGB Percent	100%, 42%, 100%
CMY	0.0000, 0.5804, 0.0000
CMYK	0.00, 0.58, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 58%, 100%
XYZ	64.5477, 38.9954, 98.7326
YIQ	168.1240, 40.7000, 77.4040

# Conversions

## Conversions Part 2

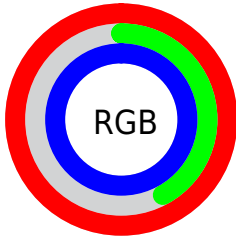
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 107, 255
Decimal	16739327
CIE <sub>Lab</sub>	68.75, 74.20, -47.46
CIE <sub>LCh</sub>	69, 88.081, 327.393
Yxy	38.9954, 0.3191, 0.1928
Android (android.graphics.Color)	4294929407 (0xFFFF6BFF)
YUV	168.1240, 42.8299, 76.1903
Hunter-Lab	62.4463, 75.2257, -50.0298

# Details

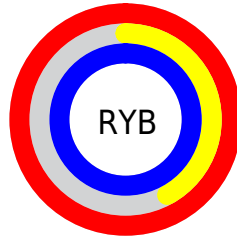
The XYZ color **64.5477, 38.9954, 98.7326** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.4784, 75.7079, 26.1806**, and the grayscale version is **37.0641, 38.9943, 42.4648**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **33.5626, 17.4071, 55.0170** is the 20% darker color. If you saturate the color by 10%, you get **62.2702, 34.4405, 97.9734**, and if you desaturate by 10%, it is **67.6102, 45.1203, 99.7534**.

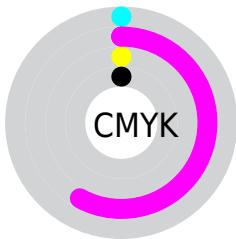
# Distribution



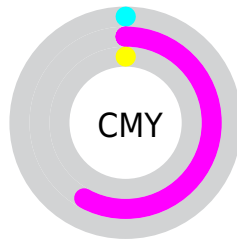
- Red (100%)
- Green (42%)
- Blue (100%)



- Red (100%)
- Yellow (42%)
- Blue (100%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5477, 38.9954, 98.7326 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 64.5477, 38.9954, 98.7326 by changing the saturation by 10% instead.




 64.5477, 38.9954,  
98.7326

 64.5477, 38.9954,  
98.7326


430.7358,  
341.8709, 577.3335


 47.3578, 26.7561,  
74.6315

 110.4687, 73.6313,  
161.4510

 33.5277, 17.3902,  
54.8112

 139.9304, 96.7967,  
200.9055

 22.6922, 10.5131,  
38.8530


 174.2135,  
124.3730, 246.3148

 14.4858, 5.7404,  
26.3384

213.6832,  
156.7445, 298.0976

 8.5433, 2.6879,  
16.8490

258.7049,  
194.2957, 356.6723

 4.4992, 0.9711,  
9.9660

309.6440,

 1.9882, 0.0000,

237.4109, 422.4575

5.2711

366.8658,  
286.4745, 495.8717

■ 0.6273, 0.0000,  
2.3457

■ 0.0000, 0.0000,  
0.7567

■ 64.5477, 38.9954,  
98.7326

■ 64.5477, 38.9954,  
98.7326

■ 62.2702, 34.4405,  
97.9734

■ 67.6102, 45.1203,  
99.7534

■ 60.7045, 31.3090,  
97.4515

■ 71.5180, 52.9360,  
101.0560

■ 59.7672, 29.4344,  
97.1391

■ 76.3282, 62.5564,  
102.6594

■ 59.3443, 28.5887,  
96.9981

■ 82.0921, 74.0843,  
104.5807

■ 59.2900, 28.4800,  
96.9800

■ 88.8573, 87.6146,  
106.8358

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.



50.8189, 38.9954, 153.6331



64.5477, 38.9954, 98.7326



70.8169, 38.9954, 46.0480

# Triad

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



64.5477, 38.9954, 98.7326



38.2967, 38.9954, 2.6730



17.9918, 38.9954, 88.4926

# Complementary

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



64.5477, 38.9954, 98.7326



44.4784, 75.7079, 26.1806

# 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.



16.2140, 38.9954, 39.0622



64.5477, 38.9954, 98.7326



26.0461, 38.9954, 4.2630

# Square

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



64.5477, 38.9954, 98.7326



53.4702, 38.9954, 5.0627



18.7554, 38.9954, 13.0677



24.4122, 38.9954, 145.5489



# Rectangle

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



64.5477, 38.9954, 98.7326



68.9879, 38.9954, 23.3936



18.7554, 38.9954, 13.0677



16.9143, 38.9954, 69.7976

# Sweetspot

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



64.5484, 38.9968, 98.7328



82.7461, 75.3922, 104.7987



29.3726, 20.8630, 97.0866



17.4419, 15.5986, 22.3415



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.



64.5484, 38.9968, 98.7328



61.9090, 33.7181, 97.8530



54.8392, 35.1131, 47.6051



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

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



64.5484, 38.9968, 98.7328



61.9090, 33.7181, 97.8530



50.1651, 77.9826, 56.1261



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 64.5477, 38.9954, 98.7326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

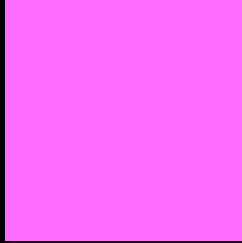
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5477, 38.9954, 98.7326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

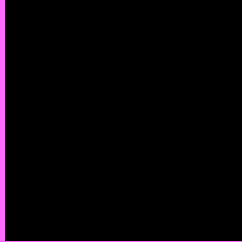
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.5477, 38.9954, 98.7326**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5477, 38.9954, 98.7326.



This preview shows how white text looks on a background with the XYZ color 64.5477, 38.9954,

98.7326.

# 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

64.5477, 38.9954, 98.7326

### Protanopia

41.4968, 39.2812, 100.0026

### Deuteranopia

40.4535, 39.4642, 91.8714



## Tritanopia

50.8301, 38.8752, 32.4284

# Trichromacy



## Original Color

64.5477, 38.9954, 98.7326



## Protanomaly

46.6137, 36.7502, 99.2444



## Deuteranomaly

45.8147, 36.6741, 94.2866

# Monochromacy



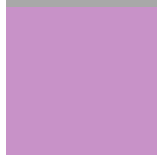
## Original Color

64.5477, 38.9954, 98.7326



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

44.5236, 37.0073, 59.4400

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5477, 38.9954, 98.7326 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(255, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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(255, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5477, 38.9954, 98.7326 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(255, 107, 255) }
```



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

```
.border{ border-color:rgb(255, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5477, 38.9954, 98.7326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 255) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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