

Converting Colors

XYZ(78.6606, 45.8543,
112.5626)

Have a look what the booklet for
XYZ(78.6606, 45.8543, 112.5626)
contains.

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Color

**XYZ(64.4440, 38.7881,
98.6980)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6AFF
RGB	255, 106, 255
RGB Percent	100%, 42%, 100%
CMY	0.0000, 0.5843, 0.0000
CMYK	0.00, 0.58, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 58%, 100%
XYZ	64.4440, 38.7881, 98.6980
YIQ	167.5370, 40.9750, 77.9270

Conversions

Conversions Part 2

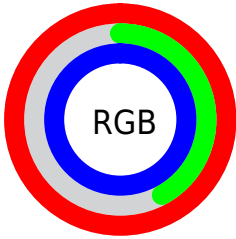
Format	Color
R _Y B	255, 106, 255
Decimal	16739071
CIE _{Lab}	68.60, 74.61, -47.70
CIE _{LCh}	69, 88.557, 327.408
Yxy	38.7881, 0.3191, 0.1921
Android (android.graphics.Color)	4294929151 (0xFFFF6AFF)
YUV	167.5370, 43.1193, 76.7051
Hunter-Lab	62.2801, 75.7118, -50.3634

Details

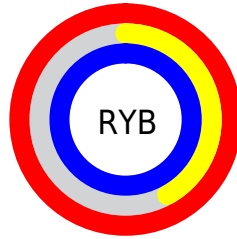
The XYZ color **64.4440, 38.7881, 98.6980** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.3066, 75.6254, 25.8996**, and the grayscale version is **36.7760, 38.6912, 42.1347**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **33.4917, 17.2652, 54.9934** is the 20% darker color. If you saturate the color by 10%, you get **62.1959, 34.2919, 97.9486**, and if you desaturate by 10%, it is **67.4746, 44.8492, 99.7082**.

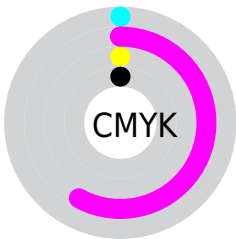
Distribution



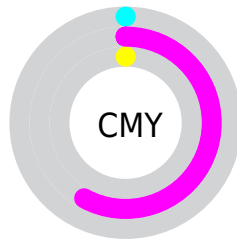
- Red (100%)
- Green (42%)
- Blue (100%)



- 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 64.4440, 38.7881, 98.6980 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 64.4440, 38.7881, 98.6980 by changing the saturation by 10% instead.


 64.4440, 38.7881,
98.6980


 64.4440, 38.7881,
98.6980


430.3681,
340.9887, 577.2212


 47.2734, 26.5949,
74.6028


 110.3203, 73.3145,
161.4030

 33.4607, 17.2692,
54.7878


 139.7567, 96.4165,
200.8499

 22.6405, 10.4266,
38.8344


 174.0124,
123.9236, 246.2512

 14.4475, 5.6827,
26.3241

213.4528,
156.2201, 298.0253

 8.5164, 2.6531,
16.8383

258.4432,
193.6905, 356.5908

 4.4817, 0.9535,
9.9585

309.3490,

 1.9781, 0.0000,

236.7191, 422.3663

5.2662

366.5355,
285.6904, 495.7702

■ 0.6216, 0.0000,
2.3428

■ 0.0000, 0.0000,
0.7551

■ 64.4440, 38.7881,
98.6980

■ 64.4440, 38.7881,
98.6980

■ 62.1959, 34.2919,
97.9486

■ 67.4746, 44.8492,
99.7082

■ 60.6565, 31.2131,
97.4355

■ 71.3482, 52.5963,
100.9994

■ 59.7419, 29.3838,
97.1306

■ 76.1220, 62.1440,
102.5907

■ 59.3335, 28.5670,
96.9945

■ 81.8476, 73.5952,
104.4992

■ 59.2900, 28.4800,
96.9800

■ 88.5727, 87.0454,
106.7409

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.



50.6653, 38.7881, 153.9459



64.4440, 38.7881, 98.6980



70.7361, 38.7881, 45.8084

Triad

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



64.4440, 38.7881, 98.6980



38.0949, 38.7881, 2.5728



17.7932, 38.7881, 88.4640

Complementary

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



64.4440, 38.7881, 98.6980



44.3066, 75.6254, 25.8996

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.



16.0175, 38.7881, 38.8499



64.4440, 38.7881, 98.6980



25.8331, 38.7881, 4.1379

Square

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



64.4440, 38.7881, 98.6980



53.3104, 38.7881, 4.9221



18.5510, 38.7881, 12.8715



24.2088, 38.7881, 145.8535

Rectangle

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



64.4440, 38.7881, 98.6980



68.8951, 38.7881, 23.1463



18.5510, 38.7881, 12.8715



16.7175, 38.7881, 69.6820

Sweetspot

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



64.4448, 38.7895, 98.6983



82.1150, 74.1300, 104.5883



29.1495, 20.5941, 97.0465



17.1951, 15.1051, 22.2592



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.



64.4448, 38.7895, 98.6983



61.9090, 33.7181, 97.8530



54.6844, 34.8854, 47.3008



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.



64.4448, 38.7895, 98.6983



61.9090, 33.7181, 97.8530



49.9943, 77.9005, 55.8508



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 64.4440, 38.7881, 98.6980 looks on a white background.

Color Contrast Check

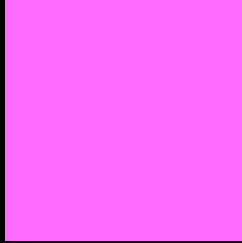
Large Text (above 18pt) WCAG AA × Fail

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 64.4440, 38.7881, 98.6980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

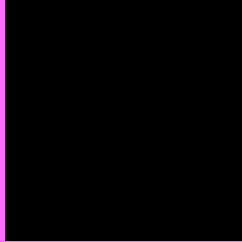
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4440, 38.7881, 98.6980

Background



This preview shows how black text looks on a background with the XYZ color 64.4440, 38.7881, 98.6980.



This preview shows how white text looks on a background with the XYZ color 64.4440, 38.7881,

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

64.4440, 38.7881, 98.6980

Protanopia

41.3366, 39.1986, 99.9952

Deuteranopia

40.1093, 39.0159, 91.8030



Tritanopia

50.6104, 38.5609, 31.9697

Trichromacy



Original Color

64.4440, 38.7881, 98.6980



Protanomaly

46.3834, 36.6315, 99.2337



Deuteranomaly

45.6625, 36.3698, 94.2359

Tritanomaly

54.5543, 37.9866, 50.9112

Monochromacy



Original Color

64.4440, 38.7881, 98.6980



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

44.3701, 36.7003, 59.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4440, 38.7881, 98.6980 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, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 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, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4440, 38.7881, 98.6980 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, 106, 255) }
```


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

```
.border{ border-color:rgb(255, 106, 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, 106, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4440, 38.7881, 98.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 255) }
```

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

```
.background{ background-color: rgb(255,  
106, 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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