

Converting Colors

XYZ(64.2934, 38.4869, 98.6478)

Have a look what the booklet for
XYZ(64.2934, 38.4869, 98.6478)
contains.

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Color

**XYZ(64.3416, 38.5832,
98.6639)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69FF
RGB	255, 105, 255
RGB Percent	100%, 41%, 100%
CMY	0.0000, 0.5882, 0.0000
CMYK	0.00, 0.59, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 59%, 100%
XYZ	64.3416, 38.5832, 98.6639
YIQ	166.9500, 41.2500, 78.4500

Conversions

Conversions Part 2

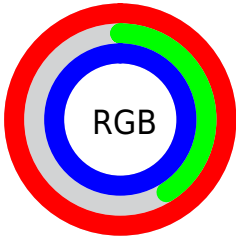
Format	Color
R _Y B	255, 105, 255
Decimal	16738815
CIE Lab	68.45, 75.02, -47.94
CIE LCh	68, 89.029, 327.423
Yxy	38.5832, 0.3192, 0.1914
Android (android.graphics.Color)	4294928895 (0xFFFF69FF)
YUV	166.9500, 43.4087, 77.2199
Hunter-Lab	62.1154, 76.1956, -50.6953

Details

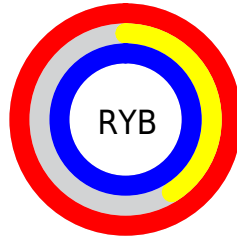
The XYZ color **64.3416, 38.5832, 98.6639** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.1367, 75.5438, 25.6217**, and the grayscale version is **36.4891, 38.3894, 41.8061**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **33.4575, 17.1969, 54.9820** is the 20% darker color. If you saturate the color by 10%, you get **62.1227, 34.1454, 97.9242**, and if you desaturate by 10%, it is **67.3402, 44.5805, 99.6634**.

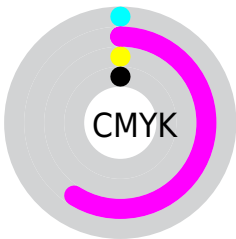
Distribution



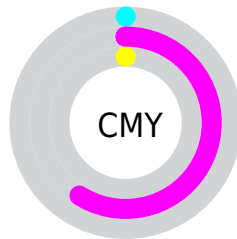
- Red (100%)
- Green (41%)
- Blue (100%)



- Red (100%)
- Yellow (41%)
- Blue (100%)



- Cyan (0%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3416, 38.5832, 98.6639 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 64.3416, 38.5832, 98.6639 by changing the saturation by 10% instead.


 64.3416, 38.5832,
98.6639


 64.3416, 38.5832,
98.6639


430.0049,
340.1152, 577.1105


 47.1901, 26.4356,
74.5745

 110.1737, 73.0012,
161.3557

 33.3946, 17.1498,
54.7648

 139.5851, 96.0403,
200.7952

 22.5895, 10.3414,
38.8161


 173.8138,
123.4789, 246.1885

 14.4098, 5.6259,
26.3100

213.2252,
155.7011, 297.9541

 8.4898, 2.6190,
16.8278

258.1847,
193.0914, 356.5105

 4.4644, 0.9362,
9.9511

309.0575,

 1.9680, 0.0000,

236.0343, 422.2764

5.2614

366.2091,
284.9141, 495.6702

■ 0.6159, 0.0000,
2.3400

■ 0.0000, 0.0000,
0.7535

■ 64.3416, 38.5832,
98.6639

■ 64.3416, 38.5832,
98.6639

■ 62.1227, 34.1454,
97.9242

■ 67.3402, 44.5805,
99.6634

■ 60.6095, 31.1190,
97.4198


■ 71.1797, 52.2593,
100.9432


■ 59.7174, 29.3348,
97.1225

■ 75.9172, 61.7343,
102.5224

■ 59.3226, 28.5453,
96.9909

■ 81.6045, 73.1091,
104.4182

 59.2900, 28.4800,
96.9800

 88.2896, 86.4791,
106.6465

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.



50.5135, 38.5832, 154.2577



64.3416, 38.5832, 98.6639



70.6564, 38.5832, 45.5713

Triad

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



64.3416, 38.5832, 98.6639



37.8953, 38.5832, 2.4759



17.5976, 38.5832, 88.4365

Complementary

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



64.3416, 38.5832, 98.6639



44.1367, 75.5438, 25.6217

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.



15.8241, 38.5832, 38.6403



64.3416, 38.5832, 98.6639



25.6228, 38.5832, 4.0162

Square

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



64.3416, 38.5832, 98.6639



53.1522, 38.5832, 4.7850



18.3496, 38.5832, 12.6789



24.0081, 38.5832, 146.1577

Rectangle

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



64.3416, 38.5832, 98.6639



68.8034, 38.5832, 22.9025



18.3496, 38.5832, 12.6789



16.5236, 38.5832, 69.5682

Sweetspot

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



64.3423, 38.5846, 98.6641



82.1150, 74.1300, 104.5883



28.9288, 20.3283, 97.0068



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.



64.3423, 38.5846, 98.6641



61.7354, 33.3709, 97.7951



54.5309, 34.6600, 46.9979



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.



64.3423, 38.5846, 98.6641



61.7354, 33.3709, 97.7951



49.8251, 77.8191, 55.5764



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 64.3416, 38.5832, 98.6639 looks on a white background.

Color Contrast Check

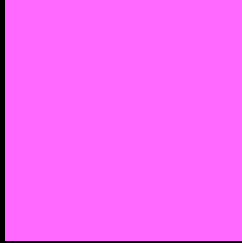
Large Text (above 18pt) WCAG AA × Fail

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 64.3416, 38.5832, 98.6639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

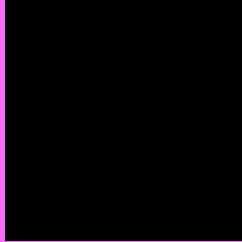
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3416, 38.5832, 98.6639

Background



This preview shows how black text looks on a background with the XYZ color 64.3416, 38.5832, 98.6639.



This preview shows how white text looks on a background with the XYZ color 64.3416, 38.5832,

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

64.3416, 38.5832, 98.6639

Protanopia

40.9983, 38.7575, 99.9278

Deuteranopia

39.9492, 38.9333, 91.7955



Tritanopia

50.3928, 38.2495, 31.5150

Trichromacy



Original Color

64.3416, 38.5832, 98.6639



Protanomaly

46.0039, 36.2120, 99.1727



Deuteranomaly

45.4322, 36.2510, 94.2251

Tritanomaly

54.3224, 37.6922, 50.3112

Monochromacy



Original Color

64.3416, 38.5832, 98.6639



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

43.8353, 36.2122, 58.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3416, 38.5832, 98.6639 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.3416, 38.5832, 98.6639 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, 105, 255) }
```


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

```
.border{ border-color:rgb(255, 105, 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, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3416, 38.5832, 98.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 255) }
```

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

```
.background{ background-color: rgb(255,  
105, 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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