

Converting Colors

XYZ(131.2501, 73.3161,
121.7724)

Have a look what the booklet for
XYZ(131.2501, 73.3161, 121.7724)
contains.

XYZ(64.7586, 39.4173, 98.8029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.7586, 39.4173,
98.8029)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6DFF
RGB	255, 109, 255
RGB Percent	100%, 43%, 100%
CMY	0.0000, 0.5725, 0.0000
CMYK	0.00, 0.57, 0.00, 0.00
HSL	300°, 100%, 71%
HSV	300°, 57%, 100%
XYZ	64.7586, 39.4173, 98.8029
YIQ	169.2980, 40.1500, 76.3580

Conversions

Conversions Part 2

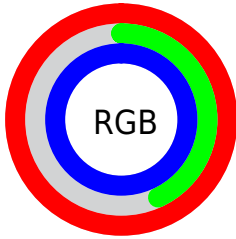
Format	Color
R_{YB}	255, 109, 255
Decimal	16739839
CIE _{Lab}	69.05, 73.36, -46.99
CIE _{LCh}	69, 87.120, 327.363
Yxy	39.4173, 0.3190, 0.1942
Android (android.graphics.Color)	4294929919 (0xFFFF6DFF)
YUV	169.2980, 42.2511, 75.1607
Hunter-Lab	62.7832, 74.2457, -49.3574

Details

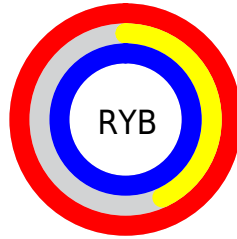
The XYZ color **64.7586, 39.4173, 98.8029** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.8282, 75.8759, 26.7528**, and the grayscale version is **37.6444, 39.6049, 43.1297**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **33.6757, 17.6333, 55.0547** is the 20% darker color. If you saturate the color by 10%, you get **62.4222, 34.7444, 98.0241**, and if you desaturate by 10%, it is **67.8853, 45.6707, 99.8451**.

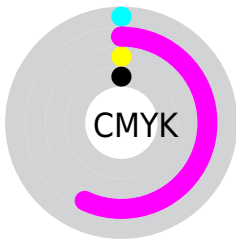
Distribution



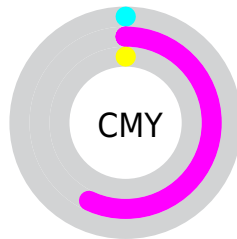
- Red (100%)
- Green (43%)
- Blue (100%)



- Red (100%)
- Yellow (43%)
- Blue (100%)



- Cyan (0%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7586, 39.4173, 98.8029 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 64.7586, 39.4173, 98.8029 by changing the saturation by 10% instead.


 64.7586, 39.4173,
98.8029


 64.7586, 39.4173,
98.8029


431.4829,
343.6614, 577.5617


 47.5293, 27.0845,
74.6899

 110.7704, 74.2754,
161.5486

 33.6640, 17.6367,
54.8587


 140.2836, 97.5695,
201.0184

 22.7973, 10.6895,
38.8907


 174.6222,
125.2861, 246.4441

 14.5638, 5.8584,
26.3676

214.1515,
157.8097, 298.2444

 8.5981, 2.7592,
16.8706

259.2368,
195.5246, 356.8378

 4.5350, 1.0073,
9.9813

310.2436,

 2.0090, 0.0000,

238.8153, 422.6427

5.2811

367.5372,
288.0661, 496.0779

■ 0.6390, 0.0000,
2.3515

■ 0.0000, 0.0000,
0.7599

■ 64.7586, 39.4173,
98.8029

■ 64.7586, 39.4173,
98.8029

■ 62.4222, 34.7444,
98.0241

■ 67.8853, 45.6707,
99.8451

■ 60.8034, 31.5068,
97.4845

■ 71.8620, 53.6240,
101.1707

■ 59.8203, 29.5405,
97.1568

■ 76.7452, 63.3904,
102.7984

■ 59.3661, 28.6321,
97.0054

■ 82.5860, 75.0720,
104.7453

■ 59.2900, 28.4800,
96.9800

■ 89.4316, 88.7632,
107.0272

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.



51.1312, 39.4173, 153.0029



64.7586, 39.4173, 98.8029



70.9813, 39.4173, 46.5350

Triad

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



64.7586, 39.4173, 98.8029



38.7072, 39.4173, 2.8835



18.3981, 39.4173, 88.5522

Complementary

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



64.7586, 39.4173, 98.8029



44.8282, 75.8759, 26.7528

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.



16.6163, 39.4173, 39.4949



64.7586, 39.4173, 98.8029



26.4806, 39.4173, 4.5238

Square

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



64.7586, 39.4173, 98.8029



53.7948, 39.4173, 5.3553



19.1736, 39.4173, 13.4709



24.8274, 39.4173, 144.9364

Rectangle

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



64.7586, 39.4173, 98.8029



69.1766, 39.4173, 23.8989



19.1736, 39.4173, 13.4709



17.3173, 39.4173, 70.0331

Sweetspot

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



64.7594, 39.4188, 98.8031



82.7461, 75.3922, 104.7987



29.8269, 21.4104, 97.1683



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.



64.7594, 39.4188, 98.8031



62.0896, 34.0792, 97.9132



55.1532, 35.5763, 48.2179



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.



64.7594, 39.4188, 98.8031



62.0896, 34.0792, 97.9132



50.5114, 78.1492, 56.6799



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 64.7586, 39.4173, 98.8029 looks on a white background.

Color Contrast Check

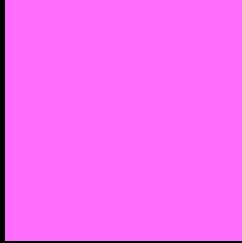
Large Text (above 18pt) WCAG AA × Fail

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 64.7586, 39.4173, 98.8029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

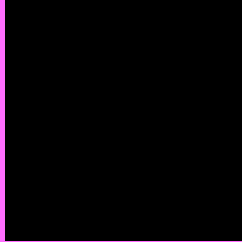
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7586, 39.4173, 98.8029

Background



This preview shows how black text looks on a background with the XYZ color 64.7586, 39.4173, 98.8029.



This preview shows how white text looks on a background with the XYZ color 64.7586, 39.4173,

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

64.7586, 39.4173, 98.8029

Protanopia

41.8396, 39.7267, 100.0706

Deuteranopia

40.7814, 39.6333, 91.8868



Tritanopia

51.0517, 39.1923, 32.8911

Trichromacy



Original Color

64.7586, 39.4173, 98.8029



Protanomaly

46.7658, 37.0545, 99.2951



Deuteranomaly

46.4338, 37.2211, 94.3596

Tritanomaly

54.9168, 38.5408, 51.5584

Monochromacy



Original Color

64.7586, 39.4173, 98.8029



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

44.6785, 37.3169, 59.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7586, 39.4173, 98.8029 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, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 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, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7586, 39.4173, 98.8029 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, 109, 255) }
```


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

```
.border{ border-color:rgb(255, 109, 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, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7586, 39.4173, 98.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 255) }
```

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

```
.background{ background-color: rgb(255,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor