

Converting Colors

XYZ(64.0388, 44.5472, 99.8310)

Have a look what the booklet for
XYZ(64.0388, 44.5472, 99.8310)
contains.

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Color

**XYZ(64.2448, 44.7399,
99.8573)**

Conversions

Conversions Part 1

Format	Color
Hex	F38BFF
RGB	243, 139, 255
RGB Percent	95%, 55%, 100%
CMY	0.0471, 0.4549, 0.0000
CMYK	0.05, 0.45, 0.00, 0.00
HSL	294°, 100%, 77%
HSV	294°, 45%, 100%
XYZ	64.2448, 44.7399, 99.8573
YIQ	183.3200, 24.7480, 58.1240

Conversions

Conversions Part 2

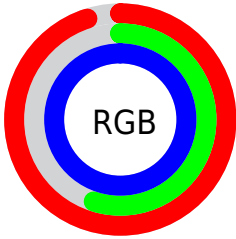
Format	Color
R_{YB}	243, 139, 255
Decimal	15961087
CIE _{Lab}	72.72, 56.39, -41.35
CIE _{LCh}	73, 69.923, 323.749
Yxy	44.7399, 0.3076, 0.2142
Android (android.graphics.Color)	4294151167 (0xFFFF38BFF)
YUV	183.3200, 35.3382, 52.3394
Hunter-Lab	66.8879, 54.3927, -41.6928

Details

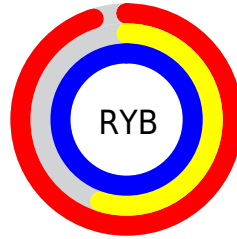
The XYZ color **64.2448, 44.7399, 99.8573** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1837, 79.9638, 37.0596**, and the grayscale version is **44.9893, 47.3322, 51.5448**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **33.4491, 20.8885, 55.6950** is the 20% darker color. If you saturate the color by 10%, you get **60.0707, 37.7324, 98.7248**, and if you desaturate by 10%, it is **69.2958, 53.4798, 101.2781**.

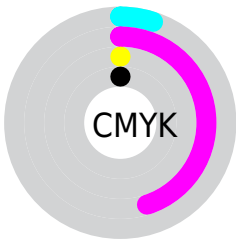
Distribution



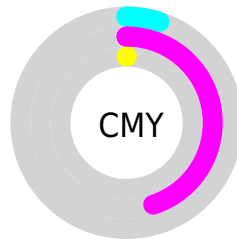
- Red (95%)
- Green (55%)
- Blue (100%)



- Red (95%)
- Yellow (55%)
- Blue (100%)



- Cyan (5%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2448, 44.7399, 99.8573 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 64.2448, 44.7399, 99.8573 by changing the saturation by 10% instead.


 64.2448, 44.7399,
99.8573


 64.2448, 44.7399,
99.8573

429.6613,
365.7191, 580.9778

 47.1114, 31.2526,
75.5651


 110.0352, 82.3300,
163.0112

 33.3320, 20.7913,
55.5715

 139.4229,
107.2015, 202.7101

 22.5414, 12.9715,
39.4578


 173.6260,
136.6366, 248.3816

 14.3741, 7.4089,
26.8055

213.0100,
171.0197, 300.4443

 8.4647, 3.7191,
17.1960

257.9402,
210.7350, 359.3167

 4.4480, 1.5177,
10.2109

308.7819,

 1.9586, 0.3012,

256.1672, 425.4174

5.4316

365.9005,
307.7004, 499.1650

■ 0.6105, 0.0000,
2.4395

■ 0.0000, 0.0000,
0.8078

■ 64.2448, 44.7399,
99.8573

■ 64.2448, 44.7399,
99.8573

■ 60.0707, 37.7324,
98.7248

■ 69.2958, 53.4798,
101.2781

■ 56.7084, 32.3302,
97.8592

■ 75.2744, 64.0563,
103.0045

■ 54.0907, 28.3978,
97.2382

■ 82.2323, 76.5720,
105.0535

■ 52.1373, 25.7750,
96.8349

■ 90.2163, 91.1202,
107.4408

■ 50.7491, 24.2634,
96.6163

95.0500, 100.0000,
108.9000

■ 50.2433, 23.8162,
96.5566

Harmonies

Analogous

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



52.6266, 44.7399, 139.0139



64.2448, 44.7399, 99.8573



70.1811, 44.7399, 56.3566

Triad

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



64.2448, 44.7399, 99.8573



45.1148, 44.7399, 7.9120



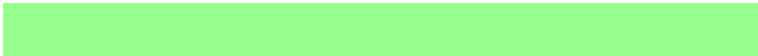
24.5471, 44.7399, 80.8745

Complementary

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



64.2448, 44.7399, 99.8573



53.1837, 79.9638, 37.0596

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.



23.2958, 44.7399, 41.7959



64.2448, 44.7399, 99.8573



33.8047, 44.7399, 9.5832

Square

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



64.2448, 44.7399, 99.8573



57.8624, 44.7399, 12.2603



26.3505, 44.7399, 18.9268



30.1682, 44.7399, 124.8864

Rectangle

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



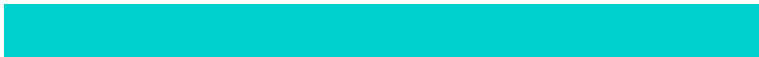
64.2448, 44.7399, 99.8573



69.4440, 44.7399, 34.4997



26.3505, 44.7399, 18.9268



23.6522, 44.7399, 66.3783

Sweetspot

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



64.2462, 44.7418, 99.8576



83.3543, 78.6061, 105.3870



40.0141, 35.3409, 99.3202



17.4946, 16.1968, 22.4542



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.



64.2462, 44.7418, 99.8576



60.2551, 38.0362, 98.7737



62.1731, 44.4066, 66.6175



18.5966, 18.1993, 22.7826



26.3282, 12.4832, 50.4564



2.6146, 1.2418, 4.9152

Inverse Universe

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



56.0595, 41.9612, 34.4242



51.3218, 35.0563, 24.9201



55.0046, 80.4479, 57.6856



18.0857, 18.0176, 19.0685



21.6731, 11.1585, 1.6632



2.1343, 1.0961, 0.2884

Previews

White Background



This preview shows how the XYZ color 64.2448, 44.7399, 99.8573 looks on a white background.

Color Contrast Check

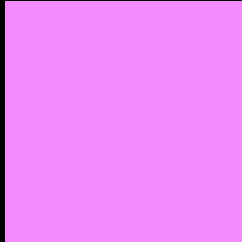
Large Text (above 18pt) WCAG AA × Fail

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 64.2448, 44.7399, 99.8573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

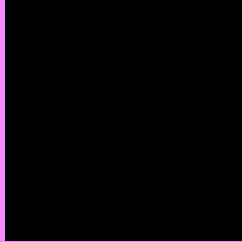
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2448, 44.7399, 99.8573

Background



This preview shows how black text looks on a background with the XYZ color 64.2448, 44.7399, 99.8573.



This preview shows how white text looks on a background with the XYZ color 64.2448, 44.7399,

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

64.2448, 44.7399, 99.8573

Protanopia

46.7122, 45.0430, 100.8399

Deuteranopia

46.3757, 45.2895, 95.1044



Tritanopia

52.7613, 44.5118, 43.8410

Trichromacy



Original Color

64.2448, 44.7399, 99.8573



Protanomaly

51.3969, 43.8535, 100.3634



Deuteranomaly

51.2488, 43.8508, 97.0297

Tritanomaly

56.2013, 44.1831, 60.8244

Monochromacy



Original Color

64.2448, 44.7399, 99.8573



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.5042, 45.2200, 66.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2448, 44.7399, 99.8573 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(243, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 139, 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(243, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.2448, 44.7399, 99.8573 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(243, 139, 255) }
```


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

```
.border{ border-color:rgb(243, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2448, 44.7399, 99.8573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 139, 255) }
```

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

```
.background{ background-color: rgb(243,  
139, 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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