

Converting Colors

XYZ(8.3839, 3.4462, 39.9617)

Have a look what the booklet for
XYZ(8.3839, 3.4462, 39.9617)
contains.

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Color

**XYZ(8.3422, 3.4292,
39.7574)**

Conversions

Conversions Part 1

Format	Color
Hex	2600AD
RGB	38, 0, 173
RGB Percent	15%, 0%, 68%
CMY	0.8509, 1.0000, 0.3216
CMYK	0.78, 1.00, 0.00, 0.32
HSL	253°, 100%, 34%
HSV	253°, 100%, 68%
XYZ	8.3422, 3.4292, 39.7574
YIQ	31.0840, -32.8850, 61.8590

Conversions

Conversions Part 2

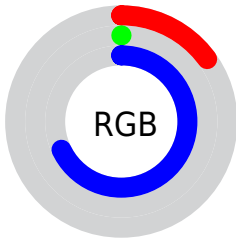
Format	Color
RYB	38, 0, 173
Decimal	2490541
CIELab	21.69, 59.76, -77.97
CIELCh	22, 98.239, 307.468
Yxy	3.4292, 0.1619, 0.0665
Android (android.graphics.Color)	4280680621 (0xFF2600AD)
YUV	31.0840, 69.9646, 6.0653
Hunter-Lab	18.5181, 48.0056, -114.3299

Details

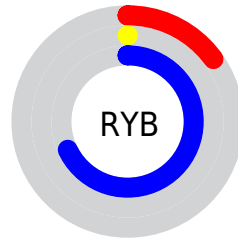
The XYZ color **8.3422, 3.4292, 39.7574** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **24.9334, 35.0372, 5.4487**, and the grayscale version is **1.2634, 1.3292, 1.4475**.

A 20% lighter version of the original color is **22.3821, 12.3657, 76.0701**, and **3.3298, 1.3319, 17.5343** is the 20% darker color. If you saturate the color by 10%, you get **8.3426, 3.4294, 39.7576**, and if you desaturate by 10%, it is **9.1391, 4.1446, 39.8536**.

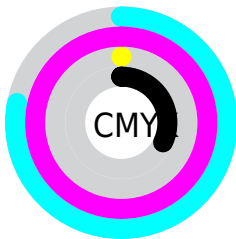
Distribution



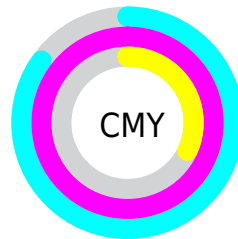
- Red (15%)
- Green (0%)
- Blue (68%)



- Red (15%)
- Yellow (0%)
- Blue (68%)



- Cyan (78%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)



- Cyan (85%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3422, 3.4292, 39.7574 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 8.3422, 3.4292, 39.7574 by changing the saturation by 10% instead.

■ 8.3422, 3.4292,
39.7574

■ 8.3422, 3.4292,
39.7574

172.7051,
133.3717, 360.6216

■ 4.3683, 1.3597,
27.0371

■ 22.3057, 12.2986,
76.0270

■ 1.9125, 0.1867,
17.3684

■ 33.0260, 19.8672,
100.4134

■ 0.5841, 0.0000,
10.3328

■ 46.7258, 30.0377,
129.5255

■ 0.0000, 0.0000,
5.5117

■ 63.7705, 43.1945,
163.7819

■ 0.0000, 0.0000,
2.4866

■ 84.5254, 59.7219,
203.6012


■ 0.0000, 0.0000,
0.8330


■ 109.3559, 80.0043,


■ 0.0000, 0.0000,


249.4019


0.0000

 138.6273,
104.4261, 301.6025


 8.3422, 3.4292,
39.7574

 8.3422, 3.4292,
39.7574


 8.3426, 3.4294,
39.7576

 9.1391, 4.1446,
39.8536

 10.3128, 5.3200,
40.0186

 11.9501, 7.1055,
40.2770

 14.0977, 9.5737,
40.6402

 16.7961, 12.7869,
41.1182

■ 20.0815, 16.7999,
41.7196

■ 23.9871, 21.6625,
42.4523

■ 28.5434, 27.4204,
43.3236

■ 33.7788, 34.1159,
44.3400

Harmonies

Analogous

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



4.0899, 3.4292, 58.2767



8.3422, 3.4292, 39.7574



12.3405, 3.4292, 14.7097

Triad

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



8.3422, 3.4292, 39.7574



6.0911, 3.4292, 0.0000



0.0000, 3.4292, 6.3957

Complementary

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



8.3422, 3.4292, 39.7574



24.9334, 35.0372, 5.4487

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.



0.0668, 3.4292, 0.0000



8.3422, 3.4292, 39.7574



2.5496, 3.4292, 0.0000

Square

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



8.3422, 3.4292, 39.7574



10.5661, 3.4292, 0.0000



0.8231, 3.4292, 0.0000



0.3785, 3.4292, 26.4157

Rectangle

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



8.3422, 3.4292, 39.7574



13.4550, 3.4292, 4.5332



0.8231, 3.4292, 0.0000



0.0000, 3.4292, 3.0344

Sweetspot

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



8.3426, 3.4294, 39.7576



42.5645, 38.3007, 75.9552



16.2791, 20.4897, 42.6322



8.6070, 7.5196, 16.3855



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.3426, 3.4294, 39.7576



14.7903, 6.0642, 71.1967



15.8527, 7.3010, 40.1090



7.7374, 7.8389, 10.0580



6.1704, 2.5408, 29.2097



0.2173, 0.0942, 0.8147

Inverse Universe

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



21.6060, 10.6332, 23.8309



38.6117, 19.0101, 42.2402



16.2111, 30.5406, 5.0405



8.2606, 8.1175, 9.6831



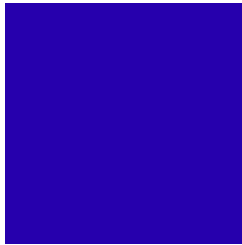
15.8947, 7.8204, 17.6227



0.4606, 0.2249, 0.5874

Previews

White Background



This preview shows how the XYZ color 8.3422, 3.4292, 39.7574 looks on a white background.

Color Contrast Check

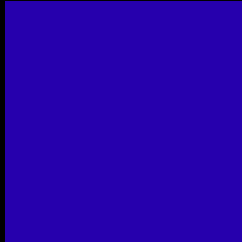
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 8.3422, 3.4292, 39.7574 looks on a black 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

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

XYZ 8.3422, 3.4292, 39.7574

Background



This preview shows how black text looks on a background with the XYZ color 8.3422, 3.4292, 39.7574.



This preview shows how white text looks on a background with the XYZ color 8.3422, 3.4292,

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

8.3422, 3.4292, 39.7574

Protanopia

4.1423, 3.6939, 15.5336

Deuteranopia

3.4835, 3.7344, 11.1269



Tritanopia

2.5942, 3.7077, 5.4294

Trichromacy



Original Color

8.3422, 3.4292, 39.7574

Protanomaly

5.0562, 2.9586, 22.8588

Deuteranomaly

4.3871, 2.7852, 19.0453

Tritanomaly

3.4053, 2.5439, 13.4082

Monochromacy



Original Color

8.3422, 3.4292, 39.7574

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

2.4712, 1.4649, 8.3361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3422, 3.4292, 39.7574 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(38, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(38, 0, 173)  
}
```

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(38, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 8.3422, 3.4292, 39.7574 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(38, 0, 173) }
```


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

```
.border{ border-color:rgb(38, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(38, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(38, 0, 173)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.3422, 3.4292, 39.7574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 0, 173) }
```

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

```
.background{ background-color: rgb(38, 0,  
173) }
```

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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