

Converting Colors

XYZ(12.1894, 5.4080, 40.1398)

Have a look what the booklet for
XYZ(12.1894, 5.4080, 40.1398)
contains.

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Color

**XYZ(12.1589, 5.3968,
39.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	5E00AD
RGB	94, 0, 173
RGB Percent	37%, 0%, 68%
CMY	0.6314, 1.0000, 0.3216
CMYK	0.46, 1.00, 0.00, 0.32
HSL	273°, 100%, 34%
HSV	273°, 100%, 68%
XYZ	12.1589, 5.3968, 39.9360
YIQ	47.8280, 0.4910, 73.7310

Conversions

Conversions Part 2

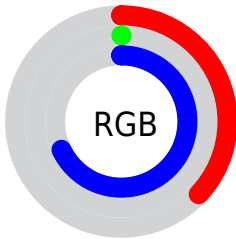
Format	Color
RYB	94, 0, 173
Decimal	6160557
CIELab	27.84, 62.98, -67.58
CIELCh	28, 92.382, 312.983
Yxy	5.3968, 0.2115, 0.0939
Android (android.graphics.Color)	4284350637 (0xFF5E00AD)
YUV	47.8280, 61.7098, 40.4928
Hunter-Lab	23.2310, 52.7710, -85.6626

Details

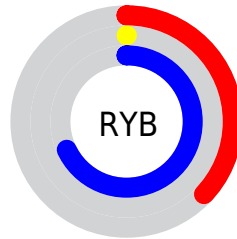
The XYZ color **12.1589, 5.3968, 39.9360** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **18.1678, 31.5494, 5.1321**, and the grayscale version is **2.7265, 2.8685, 3.1238**.

A 20% lighter version of the original color is **29.3599, 16.6448, 76.5282**, and **3.8087, 1.5788, 17.5568** is the 20% darker color. If you saturate the color by 10%, you get **12.1593, 5.3970, 39.9362**, and if you desaturate by 10%, it is **13.2165, 6.2465, 40.0444**.

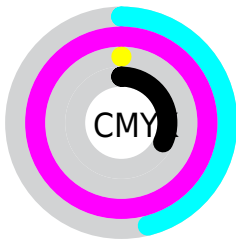
Distribution



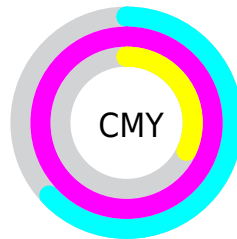
- Red (37%)
- Green (0%)
- Blue (68%)



- Red (37%)
- Yellow (0%)
- Blue (68%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)




- Cyan (63%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1589, 5.3968, 39.9360 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 12.1589, 5.3968, 39.9360 by changing the saturation by 10% instead.


 12.1589, 5.3968,
39.9360


 12.1589, 5.3968,
39.9360


199.2029,
153.5856, 361.3978


 6.9250, 2.4819,
27.1752

 29.3985, 16.6661,
76.3021


 3.4611, 0.8676,
17.4713


 42.1349, 25.7894,
100.7445

 1.4020, 0.0000,
10.4056


 58.1029, 37.7509,
129.9178

 0.2577, 0.0000,
5.5596

 77.6677, 52.9350,
164.2407

 0.0000, 0.0000,
2.5148

 101.1947, 71.7261,
204.1315


 0.0000, 0.0000,
0.8480


 129.0494, 94.5087,

 0.0000, 0.0000,


250.0090

0.0000

 161.5970,
121.6671, 302.2916


 12.1589, 5.3968,
39.9360


 12.1589, 5.3968,
39.9360


 12.1593, 5.3970,
39.9362

 13.2165, 6.2465,
40.0444

 14.5381, 7.4982,
40.2164

 16.1973, 9.2950,
40.4757

 18.2289, 11.7035,
40.8335

 20.6630, 14.7804,
41.2991

■ 23.5260, 18.5756,
41.8808

■ 26.8419, 23.1342,
42.5859

■ 30.6327, 28.4975,
43.4213

■ 34.9191, 34.7037,
44.3934

Harmonies

Analogous

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



7.0122, 5.3968, 61.8100



12.1589, 5.3968, 39.9360



16.2115, 5.3968, 14.7070

Triad

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



12.1589, 5.3968, 39.9360



7.6615, 5.3968, 0.0000



0.7315, 5.3968, 12.1680

Complementary

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



12.1589, 5.3968, 39.9360



18.1678, 31.5494, 5.1321

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.



0.7726, 5.3968, 1.5570



12.1589, 5.3968, 39.9360



3.6181, 5.3968, 0.0000

Square

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



12.1589, 5.3968, 39.9360



12.8369, 5.3968, 0.0000



1.5198, 5.3968, 0.0000



1.3594, 5.3968, 36.2099

Rectangle

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



12.1589, 5.3968, 39.9360



16.9087, 5.3968, 4.8247



1.5198, 5.3968, 0.0000



0.6769, 5.3968, 7.0703

Sweetspot

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



12.1593, 5.3970, 39.9362



47.7403, 40.9689, 76.1974



10.4655, 8.8625, 40.6943



9.8318, 8.1511, 16.4428



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.



12.1593, 5.3970, 39.9362



21.5254, 9.5362, 71.5119



24.2303, 11.6829, 37.6505



7.9791, 7.9635, 10.0693



8.9993, 3.9992, 29.3421



0.3124, 0.1433, 0.8192

Inverse Universe

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



18.6448, 9.4487, 8.2376



33.2861, 16.8799, 14.1960



14.9752, 29.8999, 5.1476



8.1516, 8.0739, 9.1092



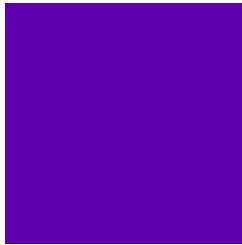
13.7255, 6.9528, 6.2001



0.4096, 0.2045, 0.3189

Previews

White Background



This preview shows how the XYZ color 12.1589, 5.3968, 39.9360 looks on a white background.

Color Contrast Check

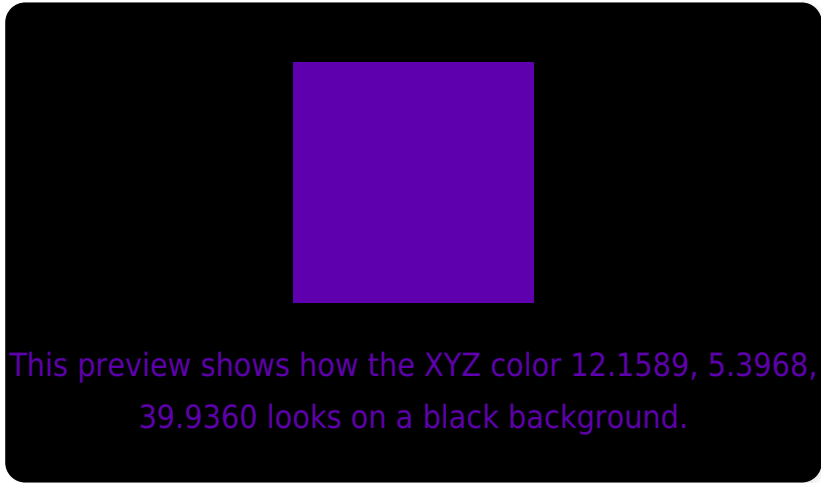
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 12.1589, 5.3968, 39.9360

Background



This preview shows how black text looks on a background with the XYZ color 12.1589, 5.3968, 39.9360.



This preview shows how white text looks on a background with the XYZ color 12.1589, 5.3968,

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

12.1589, 5.3968, 39.9360

Protanopia

6.6084, 5.7605, 25.1897

Deuteranopia

5.5199, 5.7122, 18.2644



Tritanopia

5.6640, 5.7606, 7.1167

Trichromacy



Original Color

12.1589, 5.3968, 39.9360

Protanomaly

7.0736, 4.2304, 29.7219

Deuteranomaly

6.2583, 4.0809, 24.8839

Tritanomaly

6.7661, 4.4516, 14.9706

Monochromacy



Original Color

12.1589, 5.3968, 39.9360

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.6457, 2.8941, 10.6697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1589, 5.3968, 39.9360 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(94, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 12.1589, 5.3968, 39.9360 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(94, 0, 173) }
```


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

```
.border{ border-color:rgb(94, 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(94, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 173)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1589, 5.3968, 39.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 173) }
```

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

```
.background{ background-color: rgb(94, 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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