

Converting Colors

XYZ(18.1439, 12.9157, 38.9730)

Have a look what the booklet for
XYZ(18.1439, 12.9157, 38.9730)
contains.

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Color

**XYZ(18.1299, 12.8870,
39.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	7A51A9
RGB	122, 81, 169
RGB Percent	48%, 32%, 66%
CMY	0.5216, 0.6823, 0.3373
CMYK	0.28, 0.52, 0.00, 0.34
HSL	268°, 35%, 49%
HSV	268°, 52%, 66%
XYZ	18.1299, 12.8870, 39.0680
YIQ	103.2910, -3.8120, 36.0600

Conversions

Conversions Part 2

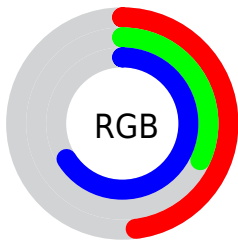
Format	Color
R_{YB}	122, 81, 169
Decimal	8016297
CIE _{Lab}	42.59, 35.27, -41.10
CIE _{LCh}	43, 54.155, 310.634
Yxy	12.8870, 0.2587, 0.1839
Android (android.graphics.Color)	4286206377 (0xFF7A51A9)
YUV	103.2910, 32.3945, 16.4078
Hunter-Lab	35.8985, 27.3260, -39.3959

Details

The XYZ color **18.1299, 12.8870, 39.0680** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.5755, 33.5594, 12.9673**, and the grayscale version is **12.8872, 13.5583, 14.7650**.

A 20% lighter version of the original color is **39.9733, 31.2859, 75.1661**, and **6.2502, 3.7071, 16.9091** is the 20% darker color. If you saturate the color by 10%, you get **15.8076, 10.0520, 38.6434**, and if you desaturate by 10%, it is **20.8844, 16.4092, 39.6029**.

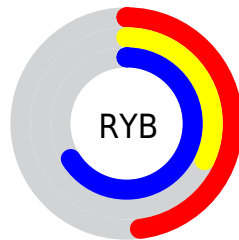
Distribution



Red (48%)

Green (32%)

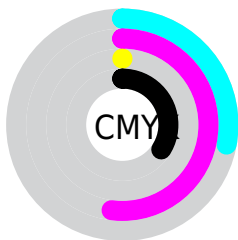
Blue (66%)



Red (48%)

Yellow (32%)

Blue (66%)

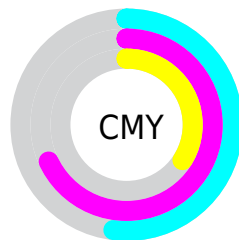


Cyan (28%)

Magenta (52%)

Yellow (0%)

Black (34%)



Cyan (52%)

Magenta (68%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1299, 12.8870, 39.0680 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 18.1299, 12.8870, 39.0680 by changing the saturation by 10% instead.

■ 18.1299, 12.8870,
39.0680

■ 18.1299, 12.8870,
39.0680

234.6337,
210.1922, 357.6141

■ 11.1435, 7.3508,
26.5044

■ 39.7869, 31.1006,
74.9637

■ 6.2315, 3.6824,
16.9722

■ 55.1882, 44.5468,
99.1328

■ 3.0283, 1.4976,
10.0529

■ 74.1253, 61.3985,
128.0076

■ 1.1688, 0.2870,
5.3280

■ 96.9634, 82.0399,
162.0064

■ 0.0815, 0.0000,
2.3789

■ 124.0680,
106.8557, 201.5480

■ 0.0000, 0.0000,
0.7749

155.8043,

■ 0.0000, 0.0000,

136.2300, 247.0508

0.0000

192.5377,

170.5474, 298.9333

■ 18.1299, 12.8870,
39.0680

■ 18.1299, 12.8870,
39.0680

■ 15.8076, 10.0520,
38.6434

■ 20.8844, 16.4092,
39.6029

■ 13.8892, 7.8539,
38.3203

■ 24.0940, 20.6611,
40.2544

■ 12.3449, 6.2373,
38.0896

■ 27.7815, 25.6836,
41.0295

■ 11.1390, 5.1364,
37.9407

■ 31.9675, 31.5137,
41.9342

■ 10.3644, 4.5158,
37.8617

■ 36.6717, 38.1863,
42.9742

■ 41.9122, 45.7341,
44.1549

■ 47.7066, 54.1879,
45.4813

■ 54.0713, 63.5773,
46.9581

■ 61.0224, 73.9301,
48.5901

Harmonies

Analogous

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



13.7611, 12.8870, 49.9473



18.1299, 12.8870, 39.0680



21.2875, 12.8870, 22.9235

Triad

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



18.1299, 12.8870, 39.0680



15.0517, 12.8870, 1.6943



6.0220, 12.8870, 18.6217

Complementary

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



18.1299, 12.8870, 39.0680



24.5755, 33.5594, 12.9673

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.



6.2175, 12.8870, 7.8003



18.1299, 12.8870, 39.0680



10.8514, 12.8870, 1.4862

Square

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



18.1299, 12.8870, 39.0680



19.2540, 12.8870, 3.8694



7.8006, 12.8870, 2.9288



7.1894, 12.8870, 34.4547

Rectangle

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



18.1299, 12.8870, 39.0680



21.9377, 12.8870, 13.7834



7.8006, 12.8870, 2.9288



5.9384, 12.8870, 14.2831

Sweetspot

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



18.1304, 12.8875, 39.0683



53.9796, 51.8561, 74.3893



18.4582, 20.4204, 40.5050



11.4462, 10.8583, 16.1447



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.1304, 12.8875, 39.0683



27.9205, 17.5418, 69.1394



25.5381, 16.7063, 39.4150



7.4516, 7.4654, 9.4666



7.7852, 3.3969, 28.2208



0.2488, 0.1133, 0.6894

Inverse Universe

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



23.2012, 15.8788, 22.2642



38.4192, 23.7430, 33.9886



19.4562, 30.9204, 12.7278



7.6923, 7.6068, 8.6967



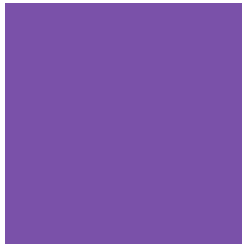
13.6056, 6.8510, 8.0006



0.3565, 0.1769, 0.3288

Previews

White Background



This preview shows how the XYZ color 18.1299, 12.8870, 39.0680 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 × Fail

Black Background



This preview shows how the XYZ color 18.1299, 12.8870, 39.0680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

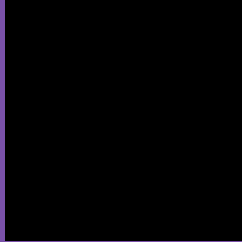
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1299, 12.8870, 39.0680

Background



This preview shows how black text looks on a background with the XYZ color 18.1299, 12.8870, 39.0680.



This preview shows how white text looks on a background with the XYZ color 18.1299, 12.8870,

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

18.1299, 12.8870, 39.0680

Protanopia

14.7555, 13.0789, 47.6457

Deuteranopia

13.3697, 13.0161, 37.4050



Tritanopia

13.2549, 12.8843, 15.1529

Trichromacy



Original Color

18.1299, 12.8870, 39.0680

Protanomaly

15.2721, 12.6144, 44.2777

Deuteranomaly

14.4529, 12.5976, 37.7462

Tritanomaly

14.5768, 12.6181, 22.0893

Monochromacy



Original Color

18.1299, 12.8870, 39.0680

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.3534, 13.0317, 21.8375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1299, 12.8870, 39.0680 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(122, 81, 169)` looks like.

```
.text, #text, p{  
    color:rgb(122, 81, 169)  
}
```

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(122, 81, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 81, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.1299, 12.8870, 39.0680 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(122, 81, 169) }
```


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

```
.border{ border-color:rgb(122, 81, 169) }
```

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

Here you see how a box with a 4 pixel rgb(122, 81, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 81, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 81, 169);  
box-shadow:4px 4px 4px 4px rgb(122, 81,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1299, 12.8870, 39.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 81, 169) }
```

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

```
.background{ background-color: rgb(122, 81,  
169) }
```

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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