

Converting Colors

XYZ(19.0653, 12.6433, 38.6318)

Have a look what the booklet for
XYZ(19.0653, 12.6433, 38.6318)
contains.

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Color

**XYZ(19.0324, 12.6302,
38.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	844AA8
RGB	132, 74, 168
RGB Percent	52%, 29%, 66%
CMY	0.4823, 0.7098, 0.3412
CMYK	0.21, 0.56, 0.00, 0.34
HSL	277°, 39%, 47%
HSV	277°, 56%, 66%
XYZ	19.0324, 12.6302, 38.4806
YIQ	102.0580, 4.3940, 41.5300

Conversions

Conversions Part 2

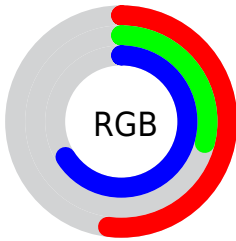
Format	Color
RYB	132, 74, 168
Decimal	8669864
CIELab	42.20, 41.65, -41.06
CIELCh	42, 58.487, 315.414
Yxy	12.6302, 0.2713, 0.1801
Android (android.graphics.Color)	4286859944 (0xFF844AA8)
YUV	102.0580, 32.5094, 26.2591
Hunter-Lab	35.5390, 33.3999, -39.3202

Details

The XYZ color **19.0324, 12.6302, 38.4806** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.6693, 31.8149, 11.4777**, and the grayscale version is **12.5618, 13.2160, 14.3922**.

A 20% lighter version of the original color is **41.2817, 30.6138, 74.2543**, and **6.6456, 3.5533, 16.5553** is the 20% darker color. If you saturate the color by 10%, you get **17.0817, 10.1763, 38.1100**, and if you desaturate by 10%, it is **21.3456, 15.7161, 38.9545**.

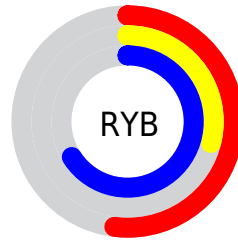
Distribution



Red (52%)

Green (29%)

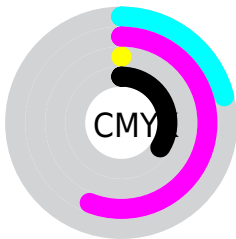
Blue (66%)



Red (52%)

Yellow (29%)

Blue (66%)

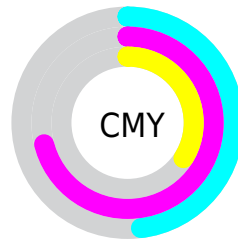


Cyan (21%)

Magenta (56%)

Yellow (0%)

Black (34%)



Cyan (48%)

Magenta (71%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0324, 12.6302, 38.4806 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 19.0324, 12.6302, 38.4806 by changing the saturation by 10% instead.

■ 19.0324, 12.6302,
38.4806

■ 19.0324, 12.6302,
38.4806

239.5622,
208.5339, 355.0370

■ 11.7978, 7.1744,
26.0512

■ 41.3053, 30.6378,
74.0558

■ 6.6774, 3.5714,
16.6358

■ 57.0743, 43.9584,
98.0386

■ 3.3057, 1.4368,
9.8160

■ 76.4189, 60.6694,
126.7096

■ 1.3174, 0.2436,
5.1731

■ 99.7044, 81.1551,
160.4874

■ 0.1962, 0.0000,
2.2887

■ 127.2961,
105.8001, 199.7905

■ 0.0000, 0.0000,
0.7249

159.5594,

■ 0.0000, 0.0000,

134.9886, 245.0374

0.0000

196.8597,
169.1051, 296.6467

■ 19.0324, 12.6302,
38.4806

■ 19.0324, 12.6302,
38.4806

■ 17.0817, 10.1763,
38.1100

■ 21.3456, 15.7161,
38.9545

■ 15.4666, 8.3034,
37.8336

■ 24.0428, 19.4765,
39.5382

■ 14.1580, 6.9550,
37.6423

■ 27.1450, 23.9519,
40.2385

■ 13.1174, 6.0554,
37.5235

■ 30.6716, 29.1791,
41.0616

■ 12.7377, 5.7500,
37.4846

■ 34.6404, 35.1924,
42.0131

■ 39.0682, 42.0239,
43.0984

■ 43.9708, 49.7038,
44.3223

■ 49.3632, 58.2608,
45.6898

■ 55.2599, 67.7223,
47.2053

Harmonies

Analogous

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



14.3775, 12.6302, 52.3988



19.0324, 12.6302, 38.4806



22.1017, 12.6302, 20.7400

Triad

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



19.0324, 12.6302, 38.4806



14.2456, 12.6302, 1.1392



5.5933, 12.6302, 21.1849

Complementary

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



19.0324, 12.6302, 38.4806



21.6693, 31.8149, 11.4777

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.



5.5744, 12.6302, 8.5419



19.0324, 12.6302, 38.4806



9.9083, 12.6302, 1.1564

Square

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



19.0324, 12.6302, 38.4806



18.9159, 12.6302, 2.7516



6.9627, 12.6302, 2.8366



7.0226, 12.6302, 38.9710

Rectangle

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



19.0324, 12.6302, 38.4806



22.4537, 12.6302, 11.6057



6.9627, 12.6302, 2.8366



5.4357, 12.6302, 16.1482

Sweetspot

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



19.0329, 12.6307, 38.4809



54.7406, 51.5763, 74.2952



15.4718, 15.4425, 39.2113



11.6573, 10.8330, 16.1287



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.



19.0329, 12.6307, 38.4809



30.2775, 17.6026, 69.0269



24.6862, 15.6582, 33.6348



7.5595, 7.5210, 9.4716



9.6774, 4.3723, 28.3094



0.2898, 0.1344, 0.6913

Inverse Universe

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



21.4120, 14.3485, 16.3930



35.5835, 21.3646, 22.8915



18.4654, 30.1168, 13.4277



7.6456, 7.5881, 8.4507



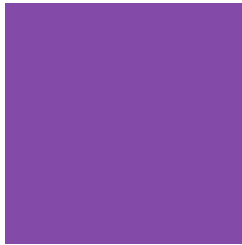
12.9242, 6.5784, 4.4127



0.3395, 0.1701, 0.2393

Previews

White Background



This preview shows how the XYZ color 19.0324, 12.6302, 38.4806 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 19.0324, 12.6302, 38.4806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

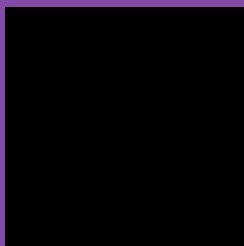
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0324, 12.6302, 38.4806

Background



This preview shows how black text looks on a background with the XYZ color 19.0324, 12.6302, 38.4806.



This preview shows how white text looks on a background with the XYZ color 19.0324, 12.6302,

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

19.0324, 12.6302, 38.4806

Protanopia

14.7879, 12.8955, 50.4249

Deuteranopia

13.0925, 12.7508, 36.4214



Tritanopia

13.9644, 12.6201, 13.5043

Trichromacy



Original Color

19.0324, 12.6302, 38.4806

Protanomaly

15.2403, 12.1844, 45.8045

Deuteranomaly

14.4631, 12.2250, 37.1947

Tritanomaly

15.3440, 12.3122, 20.6366

Monochromacy



Original Color

19.0324, 12.6302, 38.4806

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.4031, 12.6714, 21.4254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0324, 12.6302, 38.4806 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(132, 74, 168)` looks like.

```
.text, #text, p{  
    color:rgb(132, 74, 168)  
}
```

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(132, 74, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 74, 168) }
```

Border

The CSS property to change the border of an element to XYZ 19.0324, 12.6302, 38.4806 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(132, 74, 168) }
```


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

```
.border{ border-color:rgb(132, 74, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 74, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 74, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 74, 168);  
box-shadow:4px 4px 4px 4px rgb(132, 74,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0324, 12.6302, 38.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 74, 168) }
```

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

```
.background{ background-color: rgb(132, 74,  
168) }
```

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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