

Converting Colors

XYZ(18.8384, 16.4785, 32.3248)

Have a look what the booklet for
XYZ(18.8384, 16.4785, 32.3248)
contains.

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Color

**XYZ(18.8274, 16.5406,
32.3373)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6999
RGB	122, 105, 153
RGB Percent	48%, 41%, 60%
CMY	0.5216, 0.5882, 0.4000
CMYK	0.20, 0.31, 0.00, 0.40
HSL	261°, 19%, 51%
HSV	261°, 31%, 60%
XYZ	18.8274, 16.5406, 32.3373
YIQ	115.5550, -5.2760, 18.5320

Conversions

Conversions Part 2

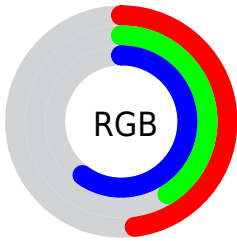
Format	Color
R_{YB}	122, 105, 153
Decimal	8022425
CIE _{Lab}	47.68, 17.00, -23.65
CIE _{LCh}	48, 29.127, 305.708
Yxy	16.5406, 0.2781, 0.2443
Android (android.graphics.Color)	4286212505 (0xFF7A6999)
YUV	115.5550, 18.4604, 5.6523
Hunter-Lab	40.6701, 11.4602, -18.6731

Details

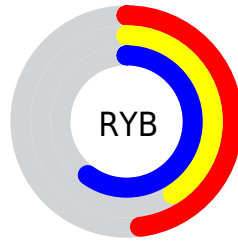
The XYZ color **18.8274, 16.5406, 32.3373** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0947, 29.0369, 17.7000**, and the grayscale version is **16.4115, 17.2662, 18.8029**.

A 20% lighter version of the original color is **40.9528, 37.4450, 64.7437**, and **6.5838, 5.3631, 13.2586** is the 20% darker color. If you saturate the color by 10%, you get **16.0784, 13.0148, 31.8019**, and if you desaturate by 10%, it is **22.0002, 20.7018, 32.9735**.

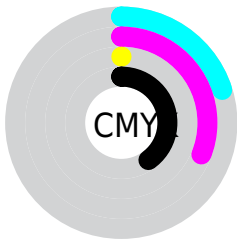
Distribution



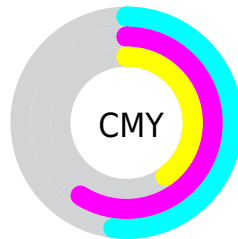
- Red (48%)
- Green (41%)
- Blue (60%)



- Red (48%)
- Yellow (41%)
- Blue (60%)



- Cyan (20%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)



- Cyan (52%)
- Magenta (59%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8274, 16.5406, 32.3373 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 18.8274, 16.5406, 32.3373 by changing the saturation by 10% instead.

■ 18.8274, 16.5406,
32.3373

■ 18.8274, 16.5406,
32.3373

238.4507,
232.5109, 327.1929

■ 11.6489, 9.9075,
21.3523

■ 40.9614, 37.5342,
64.4435

■ 6.5756, 5.3377,
13.1880

■ 56.6476, 52.6635,
86.4019

■ 3.2421, 2.4467,
7.4259

■ 75.9003, 71.3936,
112.8551

■ 1.2830, 0.8498,
3.6474

■ 99.0851, 94.1090,
144.2217

■ 0.1705, 0.0000,
1.4340

126.5671,
121.1940, 180.9202

■ 0.0000, 0.0000,
0.1680

158.7118,

■ 0.0000, 0.0000,

153.0331, 223.3692

0.0000

195.8846,
190.0106, 271.9873

■ 18.8274, 16.5406,
32.3373

■ 18.8274, 16.5406,
32.3373

■ 16.0784, 13.0148,
31.8019

■ 22.0002, 20.7018,
32.9735

■ 13.7322, 10.0902,
31.3611

■ 25.6130, 25.5264,
33.7144

■ 11.7686, 7.7322,
31.0094

■ 29.6834, 31.0430,
34.5646

■ 10.1645, 5.9019,
30.7407

■ 34.2272, 37.2780,
35.5286

■ 8.8942, 4.5552,
30.5477

■ 39.2597, 44.2562,
36.6103

7.9281, 3.6404,
30.4220

44.7952, 52.0016,
37.8136

7.2813, 3.0894,
30.3498

50.8477, 60.5367,
39.1420

57.4304, 69.8833,
40.5992

64.5562, 80.0623,
42.1883

Harmonies

Analogous

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



16.2245, 16.5406, 36.3704



18.8274, 16.5406, 32.3373



20.7390, 16.5406, 24.5740

Triad

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



18.8274, 16.5406, 32.3373



17.8716, 16.5406, 7.8492



11.2483, 16.5406, 19.4737

Complementary

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



18.8274, 16.5406, 32.3373



24.0947, 29.0369, 17.7000

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.



11.5863, 16.5406, 12.7331



18.8274, 16.5406, 32.3373



15.2287, 16.5406, 7.1805

Square

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



18.8274, 16.5406, 32.3373



20.1459, 16.5406, 10.8720



12.9772, 16.5406, 8.6977



11.9972, 16.5406, 27.7389

Rectangle

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



18.8274, 16.5406, 32.3373



21.2594, 16.5406, 19.1041



12.9772, 16.5406, 8.6977



11.2397, 16.5406, 16.9583

Sweetspot

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



18.8280, 16.5413, 32.3377



47.3974, 47.7738, 60.6951



20.4083, 22.9684, 33.4949



10.2577, 10.2682, 13.3588



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.8280, 16.5413, 32.3377



30.0134, 24.8561, 57.1878



22.6203, 18.4963, 32.5152



6.0806, 6.1274, 7.7912



6.0514, 2.5707, 25.0849



0.1276, 0.0576, 0.3768

Inverse Universe

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



22.6328, 18.6536, 25.7005



38.1081, 29.3570, 42.7536



20.6491, 27.2606, 17.5387



6.3683, 6.2865, 7.3194



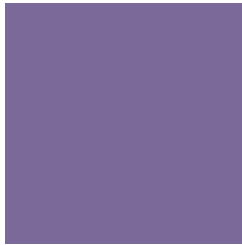
12.7275, 6.3452, 10.3561



0.2074, 0.1017, 0.2452

Previews

White Background



This preview shows how the XYZ color 18.8274, 16.5406, 32.3373 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 18.8274, 16.5406, 32.3373 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 18.8274, 16.5406, 32.3373

Background



This preview shows how black text looks on a background with the XYZ color 18.8274, 16.5406, 32.3373.



This preview shows how white text looks on a background with the XYZ color 18.8274, 16.5406,

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

18.8274, 16.5406, 32.3373

Protanopia

17.1113, 16.7096, 34.6712

Deuteranopia

17.0552, 16.7389, 32.0378



Tritanopia

16.2771, 16.4379, 20.0842

Trichromacy



Original Color

18.8274, 16.5406, 32.3373

Protanomaly

17.5328, 16.4634, 33.7062

Deuteranomaly

17.5665, 16.5193, 31.9684

Tritanomaly

17.1047, 16.4548, 24.1044

Monochromacy



Original Color

18.8274, 16.5406, 32.3373

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2278, 17.0249, 23.1470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8274, 16.5406, 32.3373 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, 105, 153)` looks like.

```
.text, #text, p{  
    color:rgb(122, 105, 153)  
}
```

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, 105, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 105, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.8274, 16.5406, 32.3373 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, 105, 153) }
```


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

```
.border{ border-color:rgb(122, 105, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 105, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 105, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 105, 153);  
box-shadow:4px 4px 4px 4px rgb(122, 105,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8274, 16.5406, 32.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 105, 153) }
```

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

```
.background{ background-color: rgb(122,  
105, 153) }
```

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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