

Converting Colors

XYZ(21.9403, 18.7738, 48.0472)

Have a look what the booklet for
XYZ(21.9403, 18.7738, 48.0472)
contains.

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Color

**XYZ(21.9439, 18.7515,
47.8102)**

Conversions

Conversions Part 1

Format	Color
Hex	776FB8
RGB	119, 111, 184
RGB Percent	47%, 44%, 72%
CMY	0.5333, 0.5647, 0.2784
CMYK	0.35, 0.40, 0.00, 0.28
HSL	247°, 34%, 58%
HSV	247°, 40%, 72%
XYZ	21.9439, 18.7515, 47.8102
YIQ	121.7140, -18.6650, 24.3990

Conversions

Conversions Part 2

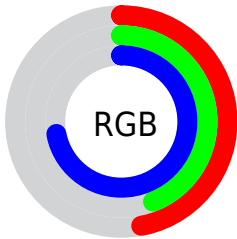
Format	Color
R _{YB}	119, 111, 184
Decimal	7827384
CIE Lab	50.40, 20.55, -37.54
CIE LCh	50, 42.795, 298.695
Yxy	18.7515, 0.2479, 0.2119
Android (android.graphics.Color)	4286017464 (0xFF776FB8)
YUV	121.7140, 30.7070, -2.3802
Hunter-Lab	43.3030, 14.6750, -35.1491

Details

The XYZ color **21.9439, 18.7515, 47.8102** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.9145, 44.6591, 21.6613**, and the grayscale version is **18.3136, 19.2674, 20.9822**.

A 20% lighter version of the original color is **46.0589, 41.3699, 87.9957**, and **8.1215, 6.3600, 21.9186** is the 20% darker color. If you saturate the color by 10%, you get **18.0813, 14.0809, 47.1126**, and if you desaturate by 10%, it is **26.6091, 24.4504, 48.6647**.

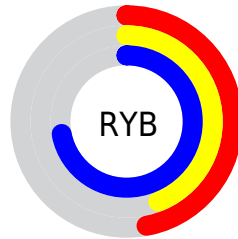
Distribution



Red (47%)

Green (44%)

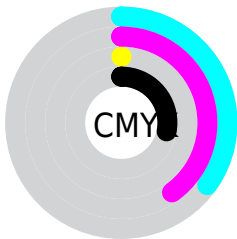
Blue (72%)



Red (47%)

Yellow (44%)

Blue (72%)

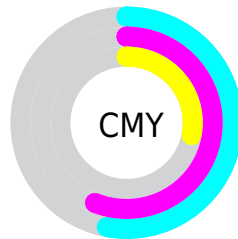


Cyan (35%)

Magenta (40%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (56%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9439, 18.7515, 47.8102 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 21.9439, 18.7515, 47.8102 by changing the saturation by 10% instead.

■ 21.9439, 18.7515,
47.8102

■ 21.9439, 18.7515,
47.8102

254.8910,
245.0734, 394.5263

■ 13.9321, 11.4909,
33.3177

■ 46.1328, 41.3138,
88.2843

■ 8.1548, 6.3980,
22.0968

■ 63.0406, 57.3842,
115.1031

■ 4.2468, 3.0886,
13.7291

■ 83.6444, 77.1600,
146.8676

■ 1.8427, 1.1782,
7.7959

■ 108.3095,
101.0255, 183.9965

■ 0.5432, 0.0438,
3.8787

137.4014,
129.3653, 226.9082

■ 0.0000, 0.0000,
1.5590

171.2854,

■ 0.0000, 0.0000,

162.5636, 276.0214

0.2613

210.3268,
201.0048, 331.7546

■ 0.0000, 0.0000,
0.0000

■ 21.9439, 18.7515,
47.8102

■ 21.9439, 18.7515,
47.8102

■ 18.0813, 14.0809,
47.1126

■ 26.6091, 24.4504,
48.6647

■ 14.9736, 10.3750,
46.5611

■ 32.1165, 31.2317,
49.6833

■ 12.5715, 7.5665,
46.1456

■ 38.5059, 39.1484,
50.8746

■ 10.8189, 5.5787,
45.8543

■ 45.8136, 48.2492,
52.2461

■ 9.6507, 4.3214,
45.6732

■ 54.0742, 58.5801,
53.8048

■ 8.9613, 3.6300,
45.5761

■ 63.3201, 70.1847,
55.5574

■ 8.9437, 3.6112,
45.5734

■ 73.5827, 83.1041,
57.5102

■ 83.8612, 95.3177,
59.3259

■ 85.6518, 96.2407,
59.4097

Harmonies

Analogous

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



17.6412, 18.7515, 52.9313



21.9439, 18.7515, 47.8102



25.5641, 18.7515, 34.7759

Triad

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



21.9439, 18.7515, 47.8102



22.3083, 18.7515, 6.4365



10.9648, 18.7515, 19.9000

Complementary

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



21.9439, 18.7515, 47.8102



37.9145, 44.6591, 21.6613

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.



11.8270, 18.7515, 10.6808



21.9439, 18.7515, 47.8102



18.0055, 18.7515, 5.0148

Square

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



21.9439, 18.7515, 47.8102



25.7964, 18.7515, 11.2782



14.2528, 18.7515, 6.1979



11.6890, 18.7515, 33.5032

Rectangle

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



21.9439, 18.7515, 47.8102



26.8689, 18.7515, 25.2431



14.2528, 18.7515, 6.1979



11.0759, 18.7515, 16.2492

Sweetspot

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



21.9446, 18.7522, 47.8106



66.7194, 67.1397, 91.6474



30.8707, 38.1665, 51.0875



14.0535, 14.0649, 19.6957



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.9446, 18.7522, 47.8106



33.3305, 26.1906, 85.5032



27.8159, 21.7790, 48.0854



8.6101, 8.7653, 11.3175



6.1947, 2.5047, 31.4100



0.2487, 0.1039, 1.1087

Inverse Universe

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



33.2884, 24.6944, 44.0863



56.9996, 38.6011, 77.1846



30.8592, 41.0219, 21.3311



9.3374, 9.1453, 11.1241



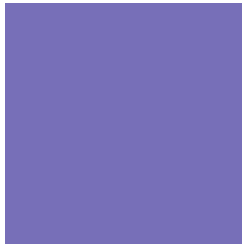
18.2472, 8.8727, 24.9865



0.6555, 0.3177, 0.9451

Previews

White Background



This preview shows how the XYZ color 21.9439, 18.7515, 47.8102 looks on a white background.

Color Contrast Check

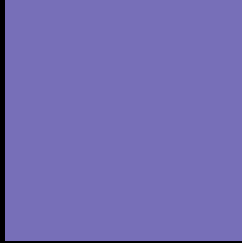
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9439, 18.7515, 47.8102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

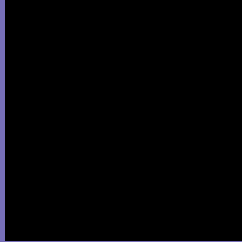
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9439, 18.7515, 47.8102

Background



This preview shows how black text looks on a background with the XYZ color 21.9439, 18.7515, 47.8102.

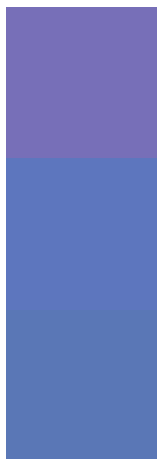


This preview shows how white text looks on a background with the XYZ color 21.9439, 18.7515,

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

21.9439, 18.7515, 47.8102

Protanopia

20.2869, 19.0017, 51.3137

Deuteranopia

19.2568, 18.7447, 46.8591



Tritanopia

17.1878, 18.7108, 24.5354

Trichromacy



Original Color

21.9439, 18.7515, 47.8102

Protanomaly

20.6873, 18.7171, 50.0994

Deuteranomaly

20.1595, 18.6764, 47.3421

Tritanomaly

18.6199, 18.5707, 31.8813

Monochromacy



Original Color

21.9439, 18.7515, 47.8102

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.4744, 19.0661, 29.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9439, 18.7515, 47.8102 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(119, 111, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 111, 184)  
}
```

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(119, 111, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 111, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.9439, 18.7515, 47.8102 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(119, 111, 184) }
```


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

```
.border{ border-color:rgb(119, 111, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 111, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 111, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 111, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 111,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9439, 18.7515, 47.8102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 111, 184) }
```

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

```
.background{ background-color: rgb(119,  
111, 184) }
```

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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