

Converting Colors

XYZ(12.5317, 10.4641, 16.4800)

Have a look what the booklet for
XYZ(12.5317, 10.4641, 16.4800)
contains.

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Color

**XYZ(12.4938, 10.4773,
16.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	70516F
RGB	112, 81, 111
RGB Percent	44%, 32%, 44%
CMY	0.5608, 0.6823, 0.5647
CMYK	0.00, 0.28, 0.01, 0.56
HSL	302°, 16%, 38%
HSV	302°, 28%, 44%
XYZ	12.4938, 10.4773, 16.4028
YIQ	93.6890, 8.8460, 15.9020

Conversions

Conversions Part 2

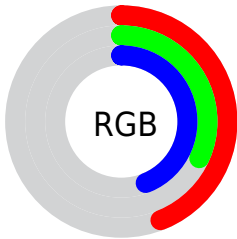
Format	Color
R_{YB}	112, 81, 111
Decimal	7360879
CIE _{Lab}	38.69, 18.51, -12.13
CIE _{LCh}	39, 22.134, 326.761
Yxy	10.4773, 0.3173, 0.2661
Android (android.graphics.Color)	4285550959 (0xFF70516F)
YUV	93.6890, 8.5343, 16.0587
Hunter-Lab	32.3687, 12.2531, -7.3871

Details

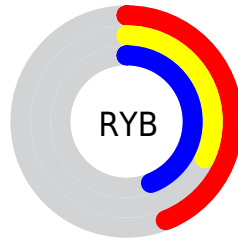
The XYZ color **12.4938, 10.4773, 16.4028** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **10.7109, 13.9473, 10.1108**, and the grayscale version is **10.5453, 11.0945, 12.0819**.

A 20% lighter version of the original color is **30.0370, 26.7695, 38.2342**, and **3.6424, 2.7106, 5.0339** is the 20% darker color. If you saturate the color by 10%, you get **11.7095, 8.9402, 16.0435**, and if you desaturate by 10%, it is **13.4162, 12.2900, 16.8088**.

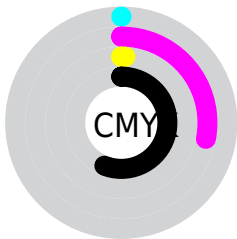
Distribution



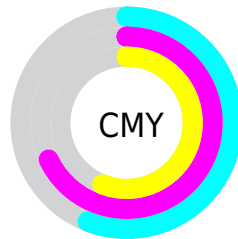
- Red (44%)
- Green (32%)
- Blue (44%)



- Red (44%)
- Yellow (32%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (1%)
- Black (56%)



- Cyan (56%)
- Magenta (68%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4938, 10.4773, 16.4028 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 12.4938, 10.4773, 16.4028 by changing the saturation by 10% instead.

■ 12.4938, 10.4773,
16.4028

■ 12.4938, 10.4773,
16.4028

201.3514,
194.0455, 243.6333

■ 7.1555, 5.7166,
9.6522

■ 30.0004, 26.6895,
38.0726

■ 3.6067, 2.6735,
5.0664

■ 42.8995, 38.9097,
53.8288

■ 1.4821, 0.9638,
2.2268

■ 59.0495, 54.3852,
73.4240

■ 0.3136, 0.0000,
0.6898

■ 78.8158, 73.5003,
97.2767

■ 0.0000, 0.0000,
0.0000

■ 102.5638, 96.6395,
125.8054

130.6588,

124.1872, 159.4287

163.4662,
156.5277, 198.5652

■ 12.4938, 10.4773,
16.4028

■ 12.4938, 10.4773,
16.4028

■ 11.7095, 8.9402,
16.0435

■ 13.4162, 12.2900,
16.8088

■ 11.0555, 7.6639,
15.7279

■ 14.4819, 14.3893,
17.2628

■ 10.5248, 6.6341,
15.4538

■ 15.6971, 16.7876,
17.7671

■ 10.1095, 5.8350,
15.2185

■ 17.0675, 19.4960,
18.3234

■ 9.8006, 5.2485,
15.0192

■ 18.5982, 22.5249,
18.9337

■ 9.5879, 4.8541,
14.8522

■ 20.2942, 25.8845,
19.5994

■ 9.4424, 4.5941,
14.7081

■ 22.1604, 29.5843,
20.3223

■ 9.4096, 4.5358,
14.6750

■ 24.2015, 33.6335,
21.1038

■ 26.4217, 38.0410,
21.9455

Harmonies

Analogous

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



11.2757, 10.4773, 20.1904



12.4938, 10.4773, 16.4028



13.0300, 10.4773, 11.8680

Triad

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



12.4938, 10.4773, 16.4028



10.1177, 10.4773, 5.1198



7.6577, 10.4773, 15.4214

Complementary

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



12.4938, 10.4773, 16.4028



10.7109, 13.9473, 10.1108

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.



7.4119, 10.4773, 10.9600



12.4938, 10.4773, 16.4028



8.7479, 10.4773, 5.6329

Square

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



12.4938, 10.4773, 16.4028



11.5766, 10.4773, 5.9213



7.7915, 10.4773, 7.5465



8.4985, 10.4773, 19.5335

Rectangle

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



12.4938, 10.4773, 16.4028



12.8932, 10.4773, 9.2444



7.7915, 10.4773, 7.5465



7.5065, 10.4773, 13.8853

Sweetspot

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



12.4941, 10.4778, 16.4030



25.3344, 25.0686, 30.2813



9.3053, 8.8275, 16.5430



6.0273, 5.9060, 7.2500



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.4941, 10.4778, 16.4030



21.0681, 16.6798, 28.4154



11.7355, 10.1743, 12.4081



3.5100, 3.4517, 4.2122



10.8763, 5.2429, 16.9563



54.1157, 26.0916, 84.1304

Inverse Universe

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



12.4941, 10.4778, 16.4030



21.0681, 16.6798, 28.4154



11.3464, 14.2014, 13.4569



3.5100, 3.4517, 4.2122



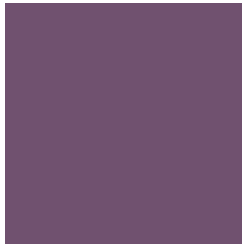
10.8763, 5.2429, 16.9563



54.1157, 26.0916, 84.1304

Previews

White Background



This preview shows how the XYZ color 12.4938, 10.4773, 16.4028 looks on a white background.

Color Contrast Check

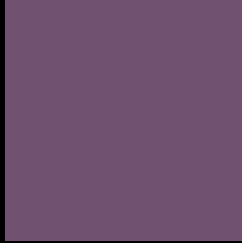
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4938, 10.4773, 16.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

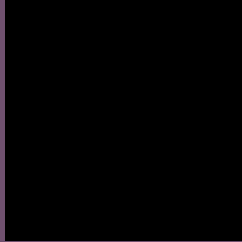
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4938, 10.4773, 16.4028

Background



This preview shows how black text looks on a background with the XYZ color 12.4938, 10.4773, 16.4028.

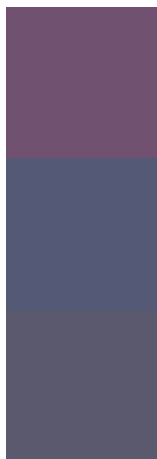


This preview shows how white text looks on a background with the XYZ color 12.4938, 10.4773,

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

12.4938, 10.4773, 16.4028

Protanopia

10.5823, 10.5052, 18.6095

Deuteranopia

10.6471, 10.4730, 15.9283



Tritanopia

11.4435, 10.5035, 11.3218

Trichromacy



Original Color

12.4938, 10.4773, 16.4028

Protanomaly

11.1188, 10.4339, 17.6476

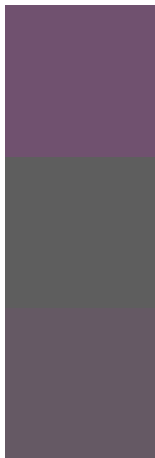
Deuteranomaly

11.2879, 10.4340, 16.1709

Tritanomaly

11.8053, 10.5375, 12.9670

Monochromacy



Original Color

12.4938, 10.4773, 16.4028

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.2395, 10.8316, 13.5549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4938, 10.4773, 16.4028 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(112, 81, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 81, 111)  
}
```

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(112, 81, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 81, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.4938, 10.4773, 16.4028 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(112, 81, 111) }
```


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

```
.border{ border-color:rgb(112, 81, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 81, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 81, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 81, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 81,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4938, 10.4773, 16.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 81, 111) }
```

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

```
.background{ background-color: rgb(112, 81,  
111) }
```

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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