

Converting Colors

XYZ(16.4408, 12.9083, 30.0588)

Have a look what the booklet for
XYZ(16.4408, 12.9083, 30.0588)
contains.

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Color

**XYZ(16.4408, 12.9083,
30.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	775795
RGB	119, 87, 149
RGB Percent	47%, 34%, 58%
CMY	0.5333, 0.6588, 0.4157
CMYK	0.20, 0.42, 0.00, 0.42
HSL	271°, 26%, 46%
HSV	271°, 42%, 58%
XYZ	16.4408, 12.9083, 30.0588
YIQ	103.6360, -0.8300, 26.0660

Conversions

Conversions Part 2

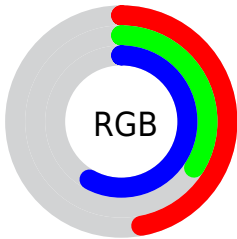
Format	Color
R_{YB}	119, 87, 149
Decimal	7821205
CIE _{Lab}	42.62, 25.90, -29.15
CIE _{LCh}	43, 38.992, 311.618
Yxy	12.9083, 0.2767, 0.2173
Android (android.graphics.Color)	4286011285 (0xFF775795)
YUV	103.6360, 22.3645, 13.4742
Hunter-Lab	35.9281, 18.8078, -24.4545

Details

The XYZ color **16.4408, 12.9083, 30.0588** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.8042, 25.9652, 12.9854**, and the grayscale version is **13.0038, 13.6811, 14.8987**.

A 20% lighter version of the original color is **36.7384, 30.9738, 60.5421**, and **5.4518, 3.7329, 11.9885** is the 20% darker color. If you saturate the color by 10%, you get **14.4045, 10.2491, 29.6531**, and if you desaturate by 10%, it is **18.8021, 16.1053, 30.5516**.

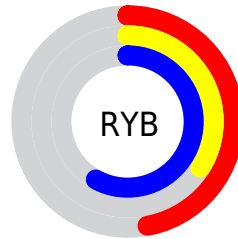
Distribution



Red (47%)

Green (34%)

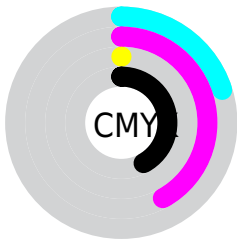
Blue (58%)



Red (47%)

Yellow (34%)

Blue (58%)

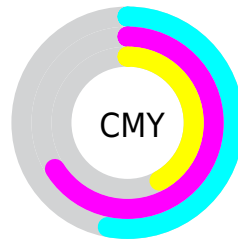


Cyan (20%)

Magenta (42%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (66%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4408, 12.9083, 30.0588 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 16.4408, 12.9083, 30.0588 by changing the saturation by 10% instead.

■ 16.4408, 12.9083,
30.0588

■ 16.4408, 12.9083,
30.0588

225.1485,
210.3291, 316.3943

■ 9.9294, 7.3654,
19.6308

■ 36.9131, 31.1389,
60.8173

■ 5.4141, 3.6917,
11.9455

■ 51.6047, 44.5955,
81.9848

■ 2.5295, 1.5026,
6.5845

■ 69.7538, 61.4588,
107.5692

■ 0.9101, 0.2906,
3.1292

■ 91.7257, 82.1131,
137.9892

■ 0.0000, 0.0000,
1.1610

■ 117.8857,
106.9429, 173.6631

■ 0.0000, 0.0000,
0.0000

148.5993,

136.3326, 215.0095

184.2318,
170.6665, 262.4471

■ 16.4408, 12.9083,
30.0588

■ 16.4408, 12.9083,
30.0588

■ 14.4045, 10.2491,
29.6531

■ 18.8021, 16.1053,
30.5516

■ 12.6748, 8.0943,
29.3283

■ 21.5027, 19.8675,
31.1355

■ 11.2332, 6.4093,
29.0791

■ 24.5577, 24.2224,
31.8150

■ 10.0584, 5.1542,
28.8987

■ 27.9808, 29.1951,
32.5945

■ 9.1257, 4.2821,
28.7795

■ 31.7850, 34.8093,
33.4776

■ 8.4777, 3.7437,
28.7098

■ 35.9824, 41.0875,
34.4682

■ 40.5849, 48.0509,
35.5697

■ 45.6035, 55.7198,
36.7854

■ 51.0490, 64.1139,
38.1186

Harmonies

Analogous

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



13.4486, 12.9083, 36.7656



16.4408, 12.9083, 30.0588



18.4863, 12.9083, 19.8336

Triad

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



16.4408, 12.9083, 30.0588



14.1485, 12.9083, 3.5805



7.5043, 12.9083, 17.5916

Complementary

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



16.4408, 12.9083, 30.0588



19.8042, 25.9652, 12.9854

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.



7.6300, 12.9083, 9.5243



16.4408, 12.9083, 30.0588



11.1604, 12.9083, 3.3845

Square

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



16.4408, 12.9083, 30.0588



17.0235, 12.9083, 5.7834



8.8702, 12.9083, 5.0647



8.4940, 12.9083, 27.8620

Rectangle

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



16.4408, 12.9083, 30.0588



18.8668, 12.9083, 13.6007



8.8702, 12.9083, 5.0647



7.4224, 12.9083, 14.5192

Sweetspot

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



16.4413, 12.9088, 30.0591



43.6130, 42.8517, 56.8938



15.8342, 17.1535, 30.9104



9.5211, 9.2895, 12.5761



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.4413, 12.9088, 30.0591



25.9977, 18.6120, 53.1435



21.2278, 15.3764, 30.2831



5.7678, 5.7713, 7.2797



7.1695, 3.1686, 24.1648



0.1218, 0.0563, 0.2974

Inverse Universe

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



19.0139, 14.4908, 18.6249



31.4800, 21.9809, 28.8837



16.3987, 24.2096, 12.8260



5.9107, 5.8593, 6.6359



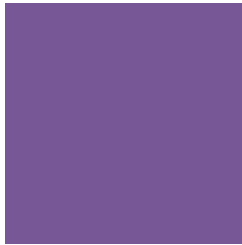
11.4337, 5.7785, 5.7647



0.1547, 0.0766, 0.1484

Previews

White Background



This preview shows how the XYZ color 16.4408, 12.9083, 30.0588 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 16.4408, 12.9083, 30.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

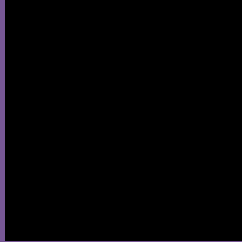
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4408, 12.9083, 30.0588

Background



This preview shows how black text looks on a background with the XYZ color 16.4408, 12.9083, 30.0588.



This preview shows how white text looks on a background with the XYZ color 16.4408, 12.9083,

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

16.4408, 12.9083, 30.0588

Protanopia

13.8617, 13.0466, 34.5885

Deuteranopia

13.2252, 12.9835, 29.0032



Tritanopia

13.3289, 12.9284, 14.8896

Trichromacy



Original Color

16.4408, 12.9083, 30.0588

Protanomaly

14.5228, 12.8781, 32.7306

Deuteranomaly

14.0780, 12.7239, 29.3177

Tritanomaly

14.2439, 12.7622, 19.4819

Monochromacy



Original Color

16.4408, 12.9083, 30.0588

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0645, 13.3426, 19.6034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4408, 12.9083, 30.0588 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, 87, 149)` looks like.

```
.text, #text, p{  
    color:rgb(119, 87, 149)  
}
```

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, 87, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 87, 149) }
```

Border

The CSS property to change the border of an element to XYZ 16.4408, 12.9083, 30.0588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

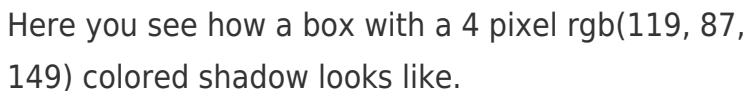
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 87, 149) }
```


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

```
.border{ border-color:rgb(119, 87, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 87, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 87, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 87, 149); box-shadow:4px 4px 4px 4px rgb(119, 87, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4408, 12.9083, 30.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 87, 149) }
```

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

```
.background{ background-color: rgb(119, 87,  
149) }
```

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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