

Converting Colors

XYZ(16.0502, 13.6892, 27.1300)

Have a look what the booklet for
XYZ(16.0502, 13.6892, 27.1300)
contains.

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Color

**XYZ(16.0129, 13.6415,
26.9884)**

Conversions

Conversions Part 1

Format	Color
Hex	745E8D
RGB	116, 94, 141
RGB Percent	45%, 37%, 55%
CMY	0.5451, 0.6314, 0.4471
CMYK	0.18, 0.33, 0.00, 0.45
HSL	268°, 20%, 46%
HSV	268°, 33%, 55%
XYZ	16.0129, 13.6415, 26.9884
YIQ	105.9360, -1.9750, 19.2810

Conversions

Conversions Part 2

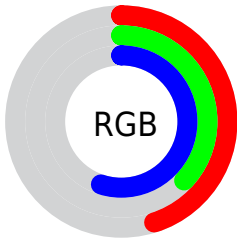
Format	Color
R_{YB}	116, 94, 141
Decimal	7626381
CIE _{Lab}	43.71, 18.76, -22.68
CIE _{LCh}	44, 29.432, 309.603
Yxy	13.6415, 0.2827, 0.2408
Android (android.graphics.Color)	4285816461 (0xFF745E8D)
YUV	105.9360, 17.2866, 8.8261
Hunter-Lab	36.9344, 12.7534, -17.4698

Details

The XYZ color **16.0129, 13.6415, 26.9884** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.1534, 23.7801, 14.1708**, and the grayscale version is **13.6370, 14.3472, 15.6241**.

A 20% lighter version of the original color is **36.3379, 32.6259, 56.0120**, and **5.2600, 4.0625, 10.4044** is the 20% darker color. If you saturate the color by 10%, you get **13.9148, 10.8658, 26.5634**, and if you desaturate by 10%, it is **18.4215, 16.9179, 27.4941**.

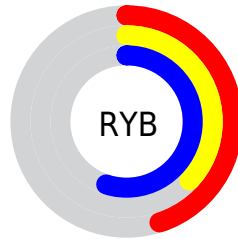
Distribution



Red (45%)

Green (37%)

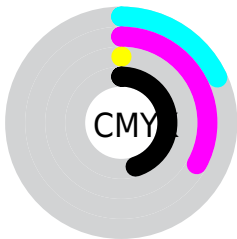
Blue (55%)



Red (45%)

Yellow (37%)

Blue (55%)

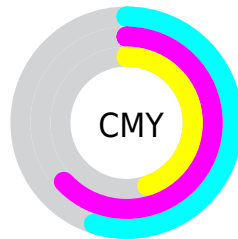


Cyan (18%)

Magenta (33%)

Yellow (0%)

Black (45%)



Cyan (55%)

Magenta (63%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0129, 13.6415, 26.9884 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 16.0129, 13.6415, 26.9884 by changing the saturation by 10% instead.

■ 16.0129, 13.6415,
26.9884

■ 16.0129, 13.6415,
26.9884

222.6867,
214.9890, 301.3593

■ 9.6242, 7.8717,
17.3321

■ 36.1779, 32.4516,
55.8688

■ 5.2108, 4.0130,
10.3071

■ 50.6848, 46.2607,
75.9300

■ 2.4075, 1.6808,
5.4948

■ 68.6286, 63.5183,
100.2966

■ 0.8489, 0.4112,
2.4766

■ 90.3745, 84.6090,
129.3871

■ 0.0000, 0.0000,
0.8277

116.2879,
109.9169, 163.6201

■ 0.0000, 0.0000,
0.0000

146.7342,

139.8267, 203.4141

182.0787,
174.7226, 249.1877

■ 16.0129, 13.6415,
26.9884

■ 16.0129, 13.6415,
26.9884

■ 13.9148, 10.8658,
26.5634

■ 18.4215, 16.9179,
27.4941

■ 12.1115, 8.5633,
26.2141

■ 21.1525, 20.7174,
28.0835

■ 10.5877, 6.7060,
25.9359

■ 24.2190, 25.0629,
28.7607

■ 9.3261, 5.2625,
25.7238

■ 27.6328, 29.9757,
29.5290

■ 8.3074, 4.1970,
25.5718

■ 31.4051, 35.4755,
30.3918

7.5085, 3.4669,
25.4730

35.5466, 41.5815,
31.3521

7.0546, 3.0814,
25.4225

40.0676, 48.3118,
32.4128

44.9777, 55.6836,
33.5770

50.2866, 63.7137,
34.8471

Harmonies

Analogous

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



13.7221, 13.6415, 31.2860



16.0129, 13.6415, 26.9884



17.5976, 13.6415, 19.7499

Triad

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



16.0129, 13.6415, 26.9884



14.5786, 13.6415, 5.8271



9.0562, 13.6415, 17.0813

Complementary

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



16.0129, 13.6415, 26.9884



19.1534, 23.7801, 14.1708

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.



9.2277, 13.6415, 10.8413



16.0129, 13.6415, 26.9884



12.2379, 13.6415, 5.5010

Square

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



16.0129, 13.6415, 26.9884



16.7036, 13.6415, 8.1229



10.3321, 13.6415, 7.0417



9.8319, 13.6415, 24.5432

Rectangle

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



16.0129, 13.6415, 26.9884



17.9416, 13.6415, 14.9417



10.3321, 13.6415, 7.0417



9.0073, 13.6415, 14.7652

Sweetspot

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



16.0134, 13.6421, 26.9887



39.5269, 39.4205, 50.6535



16.0290, 17.5128, 27.7350



8.6817, 8.5976, 11.2814



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.0134, 13.6421, 26.9887



25.7986, 20.6081, 47.7459



19.5308, 15.4553, 27.1533



5.3545, 5.3710, 6.7832



6.4504, 2.8189, 23.1812



0.0867, 0.0399, 0.2228

Inverse Universe

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



18.3174, 15.0005, 19.3831



30.7074, 23.5045, 31.4459



16.3241, 22.3216, 14.0384



5.5212, 5.4690, 6.2427



11.1819, 5.6298, 6.6091



0.1181, 0.0583, 0.1219

Previews

White Background



This preview shows how the XYZ color 16.0129, 13.6415, 26.9884 looks on a white background.

Color Contrast Check

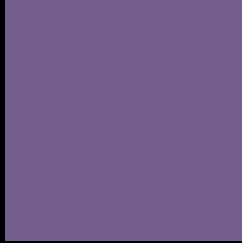
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0129, 13.6415, 26.9884 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 16.0129, 13.6415, 26.9884

Background



This preview shows how black text looks on a background with the XYZ color 16.0129, 13.6415, 26.9884.



This preview shows how white text looks on a background with the XYZ color 16.0129, 13.6415,

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

16.0129, 13.6415, 26.9884

Protanopia

14.1377, 13.7332, 29.5094

Deuteranopia

13.9258, 13.6940, 26.3353



Tritanopia

13.9160, 13.7696, 16.1117

Trichromacy



Original Color

16.0129, 13.6415, 26.9884

Protanomaly

14.7183, 13.6207, 28.6414

Deuteranomaly

14.5623, 13.5838, 26.6654

Tritanomaly

14.5679, 13.6021, 19.6270

Monochromacy



Original Color

16.0129, 13.6415, 26.9884

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5116, 14.1496, 19.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0129, 13.6415, 26.9884 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(116, 94, 141)` looks like.

```
.text, #text, p{  
    color:rgb(116, 94, 141)  
}
```

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(116, 94, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 94, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.0129, 13.6415, 26.9884 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(116, 94, 141) }
```


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

```
.border{ border-color:rgb(116, 94, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 94, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 94, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 94, 141);  
box-shadow:4px 4px 4px 4px rgb(116, 94,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0129, 13.6415, 26.9884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 94, 141) }
```

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

```
.background{ background-color: rgb(116, 94,  
141) }
```

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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