

Converting Colors

XYZ(16.3499, 13.6562, 27.0504)

Have a look what the booklet for
XYZ(16.3499, 13.6562, 27.0504)
contains.

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Color

**XYZ(16.3298, 13.6737,
26.9779)**

Conversions

Conversions Part 1

Format	Color
Hex	775D8D
RGB	119, 93, 141
RGB Percent	47%, 36%, 55%
CMY	0.5333, 0.6353, 0.4471
CMYK	0.16, 0.34, 0.00, 0.45
HSL	272°, 21%, 46%
HSV	272°, 34%, 55%
XYZ	16.3298, 13.6737, 26.9779
YIQ	106.2460, 0.0880, 20.4400

Conversions

Conversions Part 2

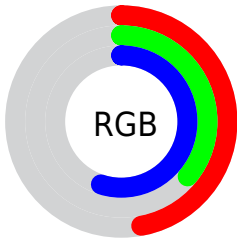
Format	Color
R_{YB}	119, 93, 141
Decimal	7822733
CIE _{Lab}	43.76, 20.37, -22.58
CIE _{LCh}	44, 30.410, 312.054
Yxy	13.6737, 0.2866, 0.2400
Android (android.graphics.Color)	4286012813 (0xFF775D8D)
YUV	106.2460, 17.1337, 11.1853
Hunter-Lab	36.9780, 14.1158, -17.3714

Details

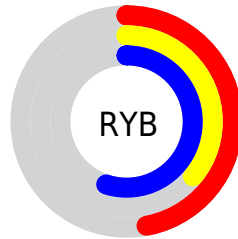
The XYZ color **16.3298, 13.6737, 26.9779** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.5713, 23.4852, 13.9108**, and the grayscale version is **13.7219, 14.4365, 15.7213**.

A 20% lighter version of the original color is **36.8368, 32.6573, 55.9917**, and **5.4306, 4.0905, 10.4008** is the 20% darker color. If you saturate the color by 10%, you get **14.3476, 10.9812, 26.5629**, and if you desaturate by 10%, it is **18.6015, 16.8548, 27.4724**.

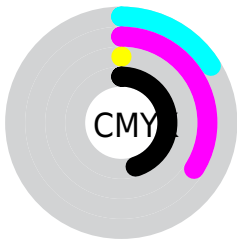
Distribution



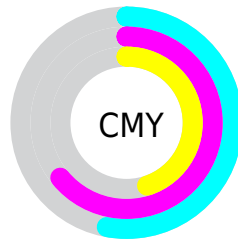
- Red (47%)
- Green (36%)
- Blue (55%)



- Red (47%)
- Yellow (36%)
- Blue (55%)



- Cyan (16%)
- Magenta (34%)
- Yellow (0%)
- Black (45%)



- Cyan (53%)
- Magenta (64%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3298, 13.6737, 26.9779 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 16.3298, 13.6737, 26.9779 by changing the saturation by 10% instead.

■ 16.3298, 13.6737,
26.9779

■ 16.3298, 13.6737,
26.9779

224.5123,
215.1913, 301.3069

■ 9.8502, 7.8941,
17.3243

■ 36.7227, 32.5089,
55.8517

■ 5.3612, 4.0272,
10.3016

■ 51.3666, 46.3333,
75.9090

■ 2.4976, 1.6888,
5.4912

■ 69.4626, 63.6081,
100.2714

■ 0.8941, 0.4164,
2.4745

■ 91.3762, 84.7176,
129.3572

■ 0.0000, 0.0000,
0.8266

117.4726,
110.0463, 163.5852

■ 0.0000, 0.0000,
0.0000

148.1171,

139.9786, 203.3737

183.6753,
174.8988, 249.1415

■ 16.3298, 13.6737,
26.9779

■ 16.3298, 13.6737,
26.9779

■ 14.3476, 10.9812,
26.5629

■ 18.6015, 16.8548,
27.4724

■ 12.6397, 8.7499,
26.2222

■ 21.1740, 20.5467,
28.0494

■ 11.1915, 6.9522,
25.9516

■ 24.0597, 24.7721,
28.7129

■ 9.9865, 5.5567,
25.7457

■ 27.2699, 29.5519,
29.4663

■ 9.0058, 4.5276,
25.5988

■ 30.8152, 34.9058,
30.3129

■ 8.2264, 3.8208,
25.5034

■ 34.7059, 40.8525,
31.2556

■ 7.8182, 3.4750,
25.4582

■ 38.9514, 47.4100,
32.2976

■ 43.5613, 54.5953,
33.4415

■ 48.5444, 62.4249,
34.6902

Harmonies

Analogous

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



13.9816, 13.6737, 31.8587



16.3298, 13.6737, 26.9779



17.8856, 13.6737, 19.3306

Triad

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



16.3298, 13.6737, 26.9779



14.4669, 13.6737, 5.5391



8.9948, 13.6737, 17.8144

Complementary

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



16.3298, 13.6737, 26.9779



18.5713, 23.4852, 13.9108

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.



9.0909, 13.6737, 11.1848



16.3298, 13.6737, 26.9779



12.0587, 13.6737, 5.3597

Square

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



16.3298, 13.6737, 26.9779



16.7224, 13.6737, 7.6890



10.1507, 13.6737, 7.0887



9.8696, 13.6737, 25.5788

Rectangle

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



16.3298, 13.6737, 26.9779



18.1604, 13.6737, 14.4208



10.1507, 13.6737, 7.0887



8.9179, 13.6737, 15.3658

Sweetspot

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



16.3303, 13.6743, 26.9782



39.8291, 39.5763, 50.6676



15.4988, 16.6036, 27.5875



8.7567, 8.6363, 11.2849



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.



16.3303, 13.6743, 26.9782



26.4190, 20.6364, 47.7187



19.5887, 15.3677, 26.5137



5.3911, 5.3898, 6.7850



7.1471, 3.1780, 23.2138



0.0938, 0.0435, 0.2231

Inverse Universe

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



17.9938, 14.7297, 18.1149



30.0130, 22.9125, 28.7581



16.0869, 22.1962, 14.1684



5.5052, 5.4626, 6.1586



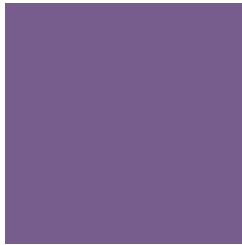
10.8838, 5.5105, 5.0393



0.1150, 0.0570, 0.1056

Previews

White Background



This preview shows how the XYZ color 16.3298, 13.6737, 26.9779 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 16.3298, 13.6737, 26.9779 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 16.3298, 13.6737, 26.9779

Background



This preview shows how black text looks on a background with the XYZ color 16.3298, 13.6737, 26.9779.



This preview shows how white text looks on a background with the XYZ color 16.3298, 13.6737,

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

16.3298, 13.6737, 26.9779

Protanopia

14.2165, 13.7647, 29.9245

Deuteranopia

14.0277, 13.7465, 26.3401



Tritanopia

14.2034, 13.7745, 16.0975

Trichromacy



Original Color

16.3298, 13.6737, 26.9779

Protanomaly

14.8282, 13.6773, 28.6465

Deuteranomaly

14.7890, 13.7007, 26.6760

Tritanomaly

14.8673, 13.6185, 19.6143

Monochromacy



Original Color

16.3298, 13.6737, 26.9779

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5390, 14.0188, 19.3924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3298, 13.6737, 26.9779 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, 93, 141)` looks like.

```
.text, #text, p{  
    color:rgb(119, 93, 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(119, 93, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 93, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.3298, 13.6737, 26.9779 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, 93, 141) }
```


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

```
.border{ border-color:rgb(119, 93, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 93, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 93, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 93, 141);  
box-shadow:4px 4px 4px 4px rgb(119, 93,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3298, 13.6737, 26.9779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 93, 141) }
```

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

```
.background{ background-color: rgb(119, 93,  
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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