

Converting Colors

XYZ(18.0671, 16.2949, 30.7392)

Have a look what the booklet for
XYZ(18.0671, 16.2949, 30.7392)
contains.

XYZ(18.0501, 16.3295, 30.6343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0501, 16.3295,
30.6343)**

Conversions

Conversions Part 1

Format	Color
Hex	766A95
RGB	118, 106, 149
RGB Percent	46%, 42%, 58%
CMY	0.5372, 0.5843, 0.4157
CMYK	0.21, 0.29, 0.00, 0.42
HSL	257°, 17%, 50%
HSV	257°, 29%, 58%
XYZ	18.0501, 16.3295, 30.6343
YIQ	114.4900, -6.6510, 15.9170

Conversions

Conversions Part 2

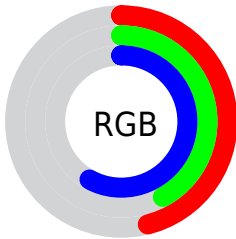
Format	Color
R _Y B	118, 106, 149
Decimal	7760533
CIE Lab	47.40, 14.11, -21.74
CIE LCh	47, 25.912, 302.982
Yxy	16.3295, 0.2776, 0.2512
Android (android.graphics.Color)	4285950613 (0xFF766A95)
YUV	114.4900, 17.0134, 3.0783
Hunter-Lab	40.4098, 9.0147, -16.6604

Details

The XYZ color **18.0501, 16.3295, 30.6343** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.6658, 27.8541, 17.7653**, and the grayscale version is **16.0937, 16.9319, 18.4388**.

A 20% lighter version of the original color is **39.6310, 37.0837, 61.5690**, and **6.2228, 5.2750, 12.2455** is the 20% darker color. If you saturate the color by 10%, you get **15.2695, 12.8116, 30.1021**, and if you desaturate by 10%, it is **21.2648, 20.4680, 31.2640**.

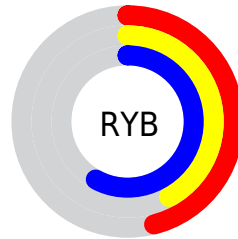
Distribution



Red (46%)

Green (42%)

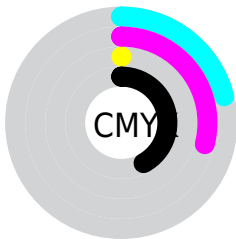
Blue (58%)



Red (46%)

Yellow (42%)

Blue (58%)

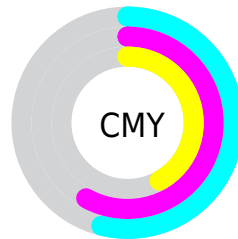


Cyan (21%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (54%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0501, 16.3295, 30.6343 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 18.0501, 16.3295, 30.6343 by changing the saturation by 10% instead.

■ 18.0501, 16.3295,
30.6343

■ 18.0501, 16.3295,
30.6343

234.1934,
231.2783, 319.1488

■ 11.0859, 9.7576,
20.0644

■ 39.6521, 37.1693,
61.7367

■ 6.1923, 5.2385,
12.2573

■ 55.0206, 52.2060,
83.1062

■ 3.0042, 2.3879,
6.7945

■ 73.9211, 70.8331,
108.9127

■ 1.1560, 0.8197,
3.2574

■ 96.7192, 93.4350,
139.5748

■ 0.0712, 0.0000,
1.2275

123.7801,
120.3960, 175.5109

■ 0.0000, 0.0000,
0.0013

155.4692,

■ 0.0000, 0.0000,

152.1007, 217.1396

0.0000

192.1519,
188.9333, 264.8794

■ 18.0501, 16.3295,
30.6343

■ 18.0501, 16.3295,
30.6343

■ 15.2695, 12.8116,
30.1021

■ 21.2648, 20.4680,
31.2640

■ 12.9019, 9.8817,
29.6614

■ 24.9299, 25.2535,
31.9945

■ 10.9270, 7.5076,
29.3072

■ 29.0632, 30.7131,
32.8304

■ 9.3221, 5.6528,
29.0338

■ 33.6806, 36.8719,
33.7758

■ 8.0616, 4.2762,
28.8345

■ 38.7976, 43.7536,
34.8345

7.1166, 3.3305,
28.7018

44.4287, 51.3810,
36.0099

6.4317, 2.7164,
28.6193

50.5881, 59.7756,
37.3056

6.3628, 2.6535,
28.6108

57.2891, 68.9583,
38.7248

64.5449, 78.9489,
40.2708

Harmonies

Analogous

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



15.7515, 16.3295, 33.6308



18.0501, 16.3295, 30.6343



19.7951, 16.3295, 24.1642

Triad

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



18.0501, 16.3295, 30.6343



17.6138, 16.3295, 8.7276



11.5163, 16.3295, 18.4459

Complementary

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



18.0501, 16.3295, 30.6343



23.6658, 27.8541, 17.7653

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.



11.9107, 16.3295, 12.6328



18.0501, 16.3295, 30.6343



15.2922, 16.3295, 7.9068

Square

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



18.0501, 16.3295, 30.6343



19.5262, 16.3295, 11.7473



13.2394, 16.3295, 9.1433



12.1042, 16.3295, 25.5890

Rectangle

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



18.0501, 16.3295, 30.6343



20.3275, 16.3295, 19.3700



13.2394, 16.3295, 9.1433



11.5385, 16.3295, 16.2796

Sweetspot

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



18.0506, 16.3302, 30.6347



44.4198, 44.9284, 57.2521



20.3908, 23.2779, 31.8524



9.6406, 9.6899, 12.6470



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.



18.0506, 16.3302, 30.6347



28.8317, 24.8108, 54.1906



21.2212, 17.9646, 30.7830



5.6424, 5.7067, 7.2738



5.3810, 2.2466, 24.0811



0.0915, 0.0407, 0.2959

Inverse Universe

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



22.0642, 18.5043, 26.0758



37.3789, 29.4470, 44.2041



20.5563, 26.2511, 17.6198



5.9670, 5.8819, 6.9323



12.6967, 6.2837, 12.4159



0.1680, 0.0819, 0.2181

Previews

White Background



This preview shows how the XYZ color 18.0501, 16.3295, 30.6343 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 18.0501, 16.3295, 30.6343 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 18.0501, 16.3295, 30.6343

Background



This preview shows how black text looks on a background with the XYZ color 18.0501, 16.3295, 30.6343.



This preview shows how white text looks on a background with the XYZ color 18.0501, 16.3295,

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

18.0501, 16.3295, 30.6343

Protanopia

16.6897, 16.3781, 32.4186

Deuteranopia

16.7387, 16.4501, 30.3099



Tritanopia

15.8847, 16.2357, 20.0659

Trichromacy



Original Color

18.0501, 16.3295, 30.6343

Protanomaly

17.1995, 16.3301, 31.9513

Deuteranomaly

17.1206, 16.3266, 30.2660

Tritanomaly

16.6356, 16.2208, 23.7269

Monochromacy



Original Color

18.0501, 16.3295, 30.6343

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5854, 16.5460, 22.3982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0501, 16.3295, 30.6343 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(118, 106, 149)` looks like.

```
.text, #text, p{  
    color:rgb(118, 106, 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(118, 106, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 106, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.0501, 16.3295, 30.6343 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(118, 106, 149) }
```


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

```
.border{ border-color:rgb(118, 106, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 106, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 106, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 106, 149);  
box-shadow:4px 4px 4px 4px rgb(118, 106,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0501, 16.3295, 30.6343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 106, 149) }
```

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

```
.background{ background-color: rgb(118,  
106, 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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