

Converting Colors

XYZ(18.4202, 16.7636, 39.2474)

Have a look what the booklet for
XYZ(18.4202, 16.7636, 39.2474)
contains.

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Color

**XYZ(18.4804, 16.8286,
39.3200)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6DA8
RGB	106, 109, 168
RGB Percent	42%, 43%, 66%
CMY	0.5843, 0.5725, 0.3412
CMYK	0.37, 0.35, 0.00, 0.34
HSL	237°, 26%, 54%
HSV	237°, 37%, 66%
XYZ	18.4804, 16.8286, 39.3200
YIQ	114.8290, -20.7270, 17.7130

Conversions

Conversions Part 2

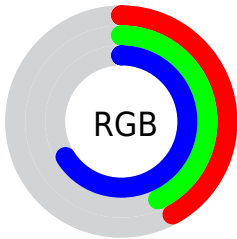
Format	Color
R_{YB}	106, 109, 168
Decimal	6974888
CIE _{Lab}	48.04, 13.61, -32.00
CIE _{LCh}	48, 34.779, 293.046
Yxy	16.8286, 0.2476, 0.2255
Android (android.graphics.Color)	4285164968 (0xFF6A6DA8)
YUV	114.8290, 26.2133, -7.7430
Hunter-Lab	41.0227, 8.6232, -28.1133

Details

The XYZ color **18.4804, 16.8286, 39.3200** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.2057, 36.2764, 18.9411**, and the grayscale version is **16.1721, 17.0143, 18.5286**.

A 20% lighter version of the original color is **40.1882, 37.8403, 74.9978**, and **6.4506, 5.5184, 17.2482** is the 20% darker color. If you saturate the color by 10%, you get **15.1229, 12.7923, 38.7182**, and if you desaturate by 10%, it is **22.5404, 21.6882, 40.0443**.

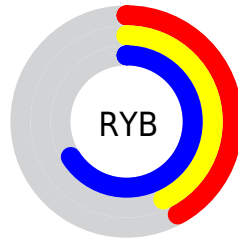
Distribution



Red (42%)

Green (43%)

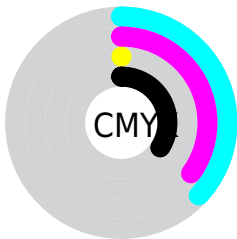
Blue (66%)



Red (42%)

Yellow (43%)

Blue (66%)

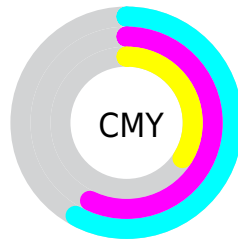


Cyan (37%)

Magenta (35%)

Yellow (0%)

Black (34%)



Cyan (58%)

Magenta (57%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4804, 16.8286, 39.3200 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 18.4804, 16.8286, 39.3200 by changing the saturation by 10% instead.

■ 18.4804, 16.8286,
39.3200

■ 18.4804, 16.8286,
39.3200

236.5586,
234.1827, 358.7156

■ 11.3972, 10.1124,
26.6990

■ 40.3779, 38.0308,
75.3526

■ 6.4039, 5.4735,
17.1169

■ 55.9230, 53.2856,
99.6014

■ 3.1352, 2.5277,
10.1550

■ 75.0194, 72.1554,
128.5631

■ 1.2257, 0.8905,
5.3949

■ 98.0324, 95.0246,
162.6564

■ 0.1265, 0.0000,
2.4180

125.3275,
122.2775, 202.2997

■ 0.0000, 0.0000,
0.7962

157.2700,

■ 0.0000, 0.0000,

154.2985, 247.9117

0.0000

194.2253,
191.4721, 299.9108

■ 18.4804, 16.8286,
39.3200

■ 18.4804, 16.8286,
39.3200

■ 15.1229, 12.7923,
38.7182

■ 22.5404, 21.6882,
40.0443

■ 12.4263, 9.5320,
38.2310

■ 27.3378, 27.4111,
40.8961

■ 10.3476, 6.9983,
37.8515

■ 32.9073, 34.0372,
41.8815

■ 8.8376, 5.1354,
37.5715

■ 39.2808, 41.6032,
43.0060

■ 7.8398, 3.8797,
37.3817

■ 46.4884, 50.1437,
44.2746

■ 7.2780, 3.1506,
37.2706

■ 54.5589, 59.6917,
45.6922

■ 7.1561, 3.0036,
37.2487

■ 63.5193, 70.2785,
47.2634

■ 73.3958, 81.9343,
48.9926

■ 83.3980, 94.2674,
50.8460

Harmonies

Analogous

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



15.2742, 16.8286, 41.4441



18.4804, 16.8286, 39.3200



21.3290, 16.8286, 30.8279

Triad

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



18.4804, 16.8286, 39.3200



19.9118, 16.8286, 7.6777



10.7131, 16.8286, 16.3061

Complementary

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



18.4804, 16.8286, 39.3200



32.2057, 36.2764, 18.9411

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.



11.6340, 16.8286, 9.7611



18.4804, 16.8286, 39.3200



16.7383, 16.8286, 5.9501

Square

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



18.4804, 16.8286, 39.3200



22.2281, 16.8286, 12.3469



13.7432, 16.8286, 6.5627



11.0519, 16.8286, 25.9716

Rectangle

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



18.4804, 16.8286, 39.3200



22.5029, 16.8286, 23.8504



13.7432, 16.8286, 6.5627



10.8811, 16.8286, 13.7240

Sweetspot

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



18.4810, 16.8292, 39.3204



55.1948, 56.3912, 75.2006



26.7295, 33.7828, 40.6619



11.7466, 11.9536, 16.3403



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.4810, 16.8292, 39.3204



28.6176, 24.6290, 70.4706



22.0382, 18.1961, 39.3968



7.1598, 7.3566, 9.4609



5.4150, 2.2903, 28.1322



0.1406, 0.0734, 0.6874

Inverse Universe

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



24.0633, 19.7378, 17.0100



40.2248, 30.7697, 24.0606



27.4368, 34.6304, 18.8748



7.5453, 7.5480, 7.9226



12.2339, 6.3023, 0.7771



0.3021, 0.1551, 0.0424

Previews

White Background



This preview shows how the XYZ color 18.4804, 16.8286, 39.3200 looks on a white background.

Color Contrast Check

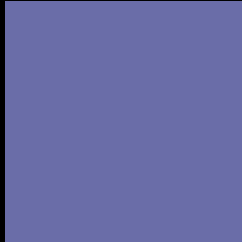
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4804, 16.8286, 39.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

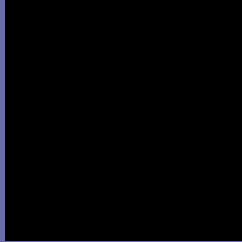
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4804, 16.8286, 39.3200

Background



This preview shows how black text looks on a background with the XYZ color 18.4804, 16.8286, 39.3200.

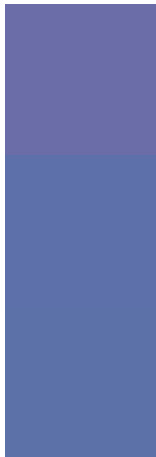


This preview shows how white text looks on a background with the XYZ color 18.4804, 16.8286,

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

18.4804, 16.8286, 39.3200

Protanopia

17.6660, 16.8703, 40.3554

Deuteranopia

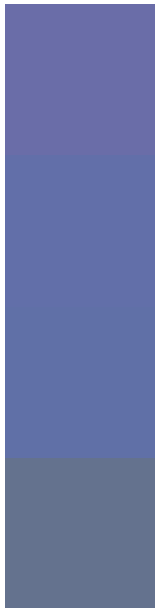
17.1946, 16.8244, 38.9004



Tritanopia

15.0159, 16.7417, 22.5187

Trichromacy



Original Color

18.4804, 16.8286, 39.3200

Protanomaly

17.8829, 16.8301, 39.8421

Deuteranomaly

17.5931, 16.8652, 38.8873

Tritanomaly

16.1553, 16.6969, 27.9625

Monochromacy



Original Color

18.4804, 16.8286, 39.3200

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8903, 16.9762, 24.9408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4804, 16.8286, 39.3200 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(106, 109, 168)` looks like.

```
.text, #text, p{  
    color:rgb(106, 109, 168)  
}
```

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(106, 109, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 109, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.4804, 16.8286, 39.3200 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(106, 109, 168) }
```


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

```
.border{ border-color:rgb(106, 109, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 109, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 109, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 109, 168);  
box-shadow:4px 4px 4px 4px rgb(106, 109,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4804, 16.8286, 39.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 109, 168) }
```

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

```
.background{ background-color: rgb(106,  
109, 168) }
```

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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