

Converting Colors

XYZ(18.4637, 18.3082, 40.0968)

Have a look what the booklet for
XYZ(18.4637, 18.3082, 40.0968)
contains.

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Color

**XYZ(18.4637, 18.3082,
40.0968)**

Conversions

Conversions Part 1

Format	Color
Hex	6076A9
RGB	96, 118, 169
RGB Percent	38%, 46%, 66%
CMY	0.6235, 0.5372, 0.3373
CMYK	0.43, 0.30, 0.00, 0.34
HSL	222°, 30%, 52%
HSV	222°, 43%, 66%
XYZ	18.4637, 18.3082, 40.0968
YIQ	117.2360, -29.4830, 11.1970

Conversions

Conversions Part 2

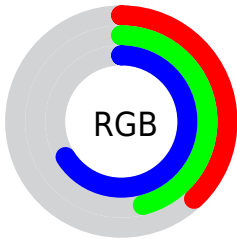
Format	Color
R _Y B	96, 113, 169
Decimal	6321833
CIE Lab	49.87, 5.66, -29.79
CIE LCh	50, 30.324, 280.765
Yxy	18.3082, 0.2402, 0.2382
Android (android.graphics.Color)	4284511913 (0xFF6076A9)
YUV	117.2360, 25.5197, -18.6240
Hunter-Lab	42.7881, 2.1463, -25.6091

Details

The XYZ color **18.4637, 18.3082, 40.0968** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9078, 30.1477, 15.3625**, and the grayscale version is **16.9120, 17.7928, 19.3763**.

A 20% lighter version of the original color is **40.2237, 40.5208, 76.2223**, and **6.3973, 6.1783, 17.6850** is the 20% darker color. If you saturate the color by 10%, you get **15.5687, 14.8796, 39.5879**, and if you desaturate by 10%, it is **21.9163, 22.2834, 40.6825**.

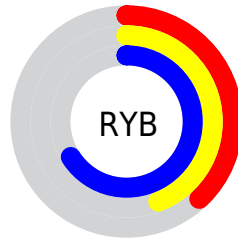
Distribution



Red (38%)

Green (46%)

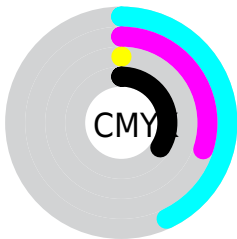
Blue (66%)



Red (38%)

Yellow (44%)

Blue (66%)

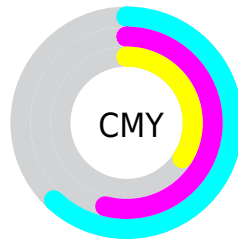


Cyan (43%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (62%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4637, 18.3082, 40.0968 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 18.4637, 18.3082, 40.0968 by changing the saturation by 10% instead.

■ 18.4637, 18.3082,
40.0968

■ 18.4637, 18.3082,
40.0968

236.4672,
242.6025, 362.0956

■ 11.3851, 11.1715,
27.2997

■ 40.3498, 40.5618,
76.5496

■ 6.3957, 6.1823,
17.5640

■ 55.8880, 56.4475,
101.0423

■ 3.1301, 2.9562,
10.4712

■ 74.9769, 76.0182,
130.2707

■ 1.2229, 1.1089,
5.6028

■ 97.9816, 99.6585,
164.6532

■ 0.1243, 0.0000,
2.5403

125.2677,
127.7527, 204.6084

■ 0.0000, 0.0000,
0.8614

157.2004,

■ 0.0000, 0.0000,

160.6851, 250.5549

0.0000

194.1451,
198.8403, 302.9111

■ 18.4637, 18.3082,
40.0968

■ 18.4637, 18.3082,
40.0968

■ 15.5687, 14.8796,
39.5879

■ 21.9163, 22.2834,
40.6825

■ 13.1981, 11.9699,
39.1512

■ 25.9532, 26.8268,
41.3467

■ 11.3183, 9.5520,
38.7836

■ 30.6015, 31.9614,
42.0927

■ 9.8904, 7.5950,
38.4811

■ 35.8862, 37.7082,
42.9235

■ 8.8685, 6.0638,
38.2394

■ 41.8307, 44.0873,
43.8414

■ 8.3423, 5.2262,
38.1055

■ 48.4573, 51.1175,
44.8491

■ 55.7870, 58.8171,
45.9490

■ 63.8403, 67.2036,
47.1433

■ 72.6365, 76.2938,
48.4343

Harmonies

Analogous

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



15.6283, 18.3082, 39.1319



18.4637, 18.3082, 40.0968



21.3019, 18.3082, 34.6398

Triad

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



18.4637, 18.3082, 40.0968



21.9753, 18.3082, 11.2201



12.6500, 18.3082, 15.1229

Complementary

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



18.4637, 18.3082, 40.0968



28.9078, 30.1477, 15.3625

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.



14.0087, 18.3082, 10.1211



18.4637, 18.3082, 40.0968



19.3037, 18.3082, 8.3392

Square

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



18.4637, 18.3082, 40.0968



23.4738, 18.3082, 17.0983



16.3806, 18.3082, 8.0023



12.4784, 18.3082, 23.0682

Rectangle

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



18.4637, 18.3082, 40.0968



22.7344, 18.3082, 28.7948



16.3806, 18.3082, 8.0023



12.9753, 18.3082, 13.1084

Sweetspot

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



18.4643, 18.3089, 40.0972



54.7706, 57.2027, 75.3796



24.1916, 32.9349, 32.2292



11.5308, 12.0212, 16.3647



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.



18.4643, 18.3089, 40.0972



28.0067, 26.7979, 70.9215



17.6989, 14.5066, 39.4037



7.3093, 7.6555, 9.5108



6.2595, 3.9792, 28.4136



0.1966, 0.1854, 0.7061

Inverse Universe

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



23.8156, 18.1094, 19.3804



39.0887, 27.1462, 27.8478



29.9360, 36.2506, 16.4863



7.6207, 7.5781, 8.3198



12.6601, 6.4728, 3.0217



0.3304, 0.1664, 0.1913

Previews

White Background



This preview shows how the XYZ color 18.4637, 18.3082, 40.0968 looks on a white background.

Color Contrast Check

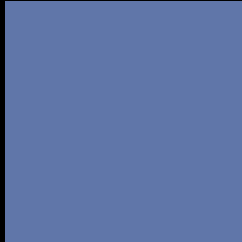
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4637, 18.3082, 40.0968 looks on a black 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

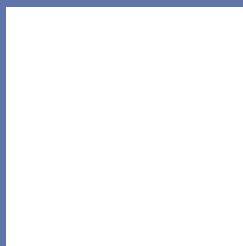
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4637, 18.3082, 40.0968

Background



This preview shows how black text looks on a background with the XYZ color 18.4637, 18.3082, 40.0968.

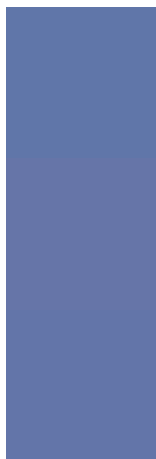


This preview shows how white text looks on a background with the XYZ color 18.4637, 18.3082,

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

18.4637, 18.3082, 40.0968

Protanopia

18.9087, 18.3745, 39.5958

Deuteranopia

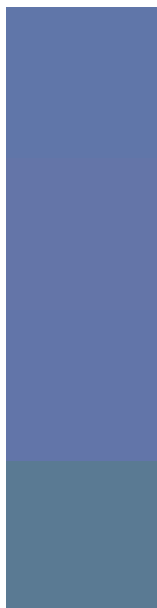
18.6683, 18.2398, 40.0728



Tritanopia

15.6373, 18.4427, 25.6573

Trichromacy



Original Color

18.4637, 18.3082, 40.0968

Protanomaly

18.6847, 18.2591, 39.5853

Deuteranomaly

18.5597, 18.1838, 40.0677

Tritanomaly

16.4424, 18.1993, 30.2500

Monochromacy



Original Color

18.4637, 18.3082, 40.0968

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.1119, 17.7514, 25.8170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4637, 18.3082, 40.0968 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(96, 118, 169) looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 169)  
}
```

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(96, 118, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.4637, 18.3082, 40.0968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

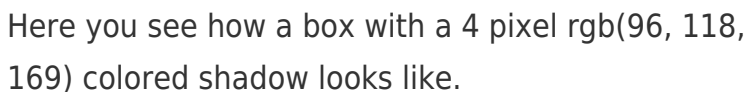
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 118, 169) }
```


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

```
.border{ border-color:rgb(96, 118, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 118, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 118, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 118, 169); box-shadow:4px 4px 4px 4px rgb(96, 118, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4637, 18.3082, 40.0968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 169) }
```

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

```
.background{ background-color: rgb(96, 118,  
169) }
```

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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