

Converting Colors

XYZ(18.3881, 17.3334, 39.4223)

Have a look what the booklet for
XYZ(18.3881, 17.3334, 39.4223)
contains.

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Color

**XYZ(18.3415, 17.2403,
39.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	6670A8
RGB	102, 112, 168
RGB Percent	40%, 44%, 66%
CMY	0.6000, 0.5608, 0.3412
CMYK	0.39, 0.33, 0.00, 0.34
HSL	231°, 27%, 53%
HSV	231°, 39%, 66%
XYZ	18.3415, 17.2403, 39.4068
YIQ	115.3940, -23.9360, 15.2960

Conversions

Conversions Part 2

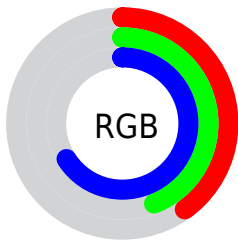
Format	Color
RYB	102, 111, 168
Decimal	6713512
CIELab	48.56, 10.65, -31.22
CIELCh	49, 32.984, 288.846
Yxy	17.2403, 0.2446, 0.2299
Android (android.graphics.Color)	4284903592 (0xFF6670A8)
YUV	115.3940, 25.9348, -11.7465
Hunter-Lab	41.5214, 6.1873, -27.2054

Details

The XYZ color **18.3415, 17.2403, 39.4068** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7739, 33.7382, 17.4611**, and the grayscale version is **16.3447, 17.1959, 18.7263**.

A 20% lighter version of the original color is **40.1123, 38.8472, 75.1961**, and **6.4079, 5.7454, 17.2942** is the 20% darker color. If you saturate the color by 10%, you get **15.1768, 13.4562, 38.8435**, and if you desaturate by 10%, it is **22.1423, 21.7226, 40.0720**.

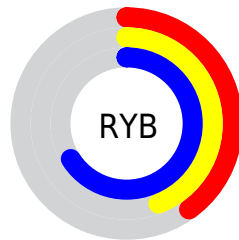
Distribution



Red (40%)

Green (44%)

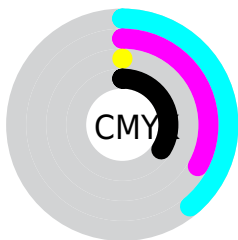
Blue (66%)



Red (40%)

Yellow (44%)

Blue (66%)

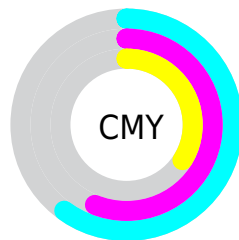


Cyan (39%)

Magenta (33%)

Yellow (0%)

Black (34%)



Cyan (60%)

Magenta (56%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3415, 17.2403, 39.4068 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 18.3415, 17.2403, 39.4068 by changing the saturation by 10% instead.

■ 18.3415, 17.2403,
39.4068

■ 18.3415, 17.2403,
39.4068

235.7975,
236.5534, 359.0944

■ 11.2966, 10.4060,
26.7661

■ 40.1439, 38.7385,
75.4865

■ 6.3355, 5.6689,
17.1667

■ 55.6322, 54.1711,
99.7626

■ 3.0927, 2.6448,
10.1902

■ 74.6656, 73.2386,
128.7543

■ 1.2030, 0.9493,
5.4180

■ 97.6095, 96.3254,
162.8800

■ 0.1087, 0.0000,
2.4316

124.8293,
123.8159, 202.5583

■ 0.0000, 0.0000,
0.8036

156.6903,

■ 0.0000, 0.0000,

156.0945, 248.2078

0.0000

193.5579,
193.5455, 300.2470

■ 18.3415, 17.2403,
39.4068

■ 18.3415, 17.2403,
39.4068

■ 15.1768, 13.4562,
38.8435

■ 22.1423, 21.7226,
40.0720

■ 12.6111, 10.3329,
38.3759

■ 26.6098, 26.9341,
40.8424

■ 10.6066, 7.8324,
37.9989

■ 31.7747, 32.9063,
41.7230

■ 9.1198, 5.9119,
37.7066

■ 37.6654, 39.6681,
42.7176

■ 8.1011, 4.5230,
37.4922

■ 44.3085, 47.2471,
43.8304

■ 7.4630, 3.5950,
37.3467

■ 51.7295, 55.6694,
45.0649

■ 7.4254, 3.5421,
37.3384

■ 59.9525, 64.9599,
46.4248

■ 69.0007, 75.1427,
47.9134

■ 78.8962, 86.2407,
49.5340

Harmonies

Analogous

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



15.2849, 17.2403, 40.3643



18.3415, 17.2403, 39.4068



21.1767, 17.2403, 32.0338

Triad

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



18.3415, 17.2403, 39.4068



20.5277, 17.2403, 8.8021



11.3088, 17.2403, 15.7252

Complementary

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



18.3415, 17.2403, 39.4068



30.7739, 33.7382, 17.4611

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.



12.3792, 17.2403, 9.7925



18.3415, 17.2403, 39.4068



17.5396, 17.2403, 6.6983

Square

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



18.3415, 17.2403, 39.4068



22.5423, 17.2403, 13.8809



14.5754, 17.2403, 6.9940



11.4675, 17.2403, 24.6944

Rectangle

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



18.3415, 17.2403, 39.4068



22.4432, 17.2403, 25.4606



14.5754, 17.2403, 6.9940



11.5309, 17.2403, 13.3708

Sweetspot

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



18.3421, 17.2409, 39.4072



54.7737, 56.3852, 75.2216



25.5684, 33.2648, 36.9718



11.6824, 11.9939, 16.3515



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.



18.3421, 17.2409, 39.4072



28.2891, 25.3199, 70.6213



20.1320, 16.6156, 39.1922



7.2202, 7.4773, 9.4811



5.6322, 2.7246, 28.2045



0.1634, 0.1190, 0.6950

Inverse Universe

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



23.8249, 18.9980, 17.7412



39.7299, 29.3120, 25.3385



28.2554, 35.0760, 17.8521



7.5757, 7.5602, 8.0830



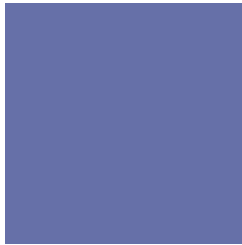
12.3435, 6.3461, 1.3543



0.3136, 0.1597, 0.1031

Previews

White Background



This preview shows how the XYZ color 18.3415, 17.2403, 39.4068 looks on a white background.

Color Contrast Check

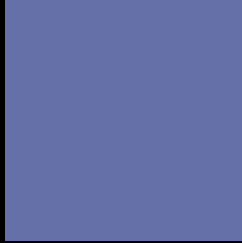
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3415, 17.2403, 39.4068 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

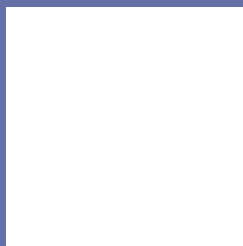
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3415, 17.2403, 39.4068

Background



This preview shows how black text looks on a background with the XYZ color 18.3415, 17.2403, 39.4068.



This preview shows how white text looks on a background with the XYZ color 18.3415, 17.2403,

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

18.3415, 17.2403, 39.4068

Protanopia

17.9963, 17.2162, 39.9107

Deuteranopia

17.7013, 17.2415, 39.4408



Tritanopia

15.0926, 17.2932, 23.3113

Trichromacy



Original Color

18.3415, 17.2403, 39.4068

Protanomaly

18.2121, 17.3275, 39.9208

Deuteranomaly

17.9028, 17.1788, 39.4180

Tritanomaly

16.1431, 17.1925, 28.4543

Monochromacy



Original Color

18.3415, 17.2403, 39.4068

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.7508, 17.0709, 24.9664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3415, 17.2403, 39.4068 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(102, 112, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 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(102, 112, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.3415, 17.2403, 39.4068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

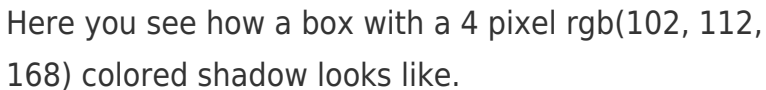
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 112, 168) }
```


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

```
.border{ border-color:rgb(102, 112, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 112, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3415, 17.2403, 39.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 112, 168) }
```

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

```
.background{ background-color: rgb(102,  
112, 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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