

Converting Colors

XYZ(18.3962, 18.0380, 39.5592)

Have a look what the booklet for
XYZ(18.3962, 18.0380, 39.5592)
contains.

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Color

**XYZ(18.4662, 18.1464,
39.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	6275A8
RGB	98, 117, 168
RGB Percent	38%, 46%, 66%
CMY	0.6157, 0.5412, 0.3412
CMYK	0.42, 0.30, 0.00, 0.34
HSL	224°, 29%, 52%
HSV	224°, 42%, 66%
XYZ	18.4662, 18.1464, 39.5751
YIQ	117.1330, -27.6950, 11.8330

Conversions

Conversions Part 2

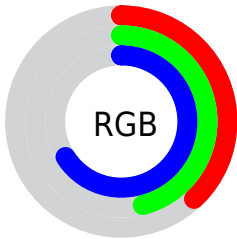
Format	Color
R _Y B	98, 113, 168
Decimal	6452648
CIE Lab	49.67, 6.52, -29.50
CIE LCh	50, 30.212, 282.454
Yxy	18.1464, 0.2424, 0.2382
Android (android.graphics.Color)	4284642728 (0xFF6275A8)
YUV	117.1330, 25.0774, -16.7796
Hunter-Lab	42.5986, 2.8310, -25.2628

Details

The XYZ color **18.4662, 18.1464, 39.5751** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.1011, 30.7024, 15.9485**, and the grayscale version is **16.8811, 17.7603, 19.3409**.

A 20% lighter version of the original color is **40.2697, 40.2830, 75.4650**, and **6.4072, 6.0980, 17.3623** is the 20% darker color. If you saturate the color by 10%, you get **15.5061, 14.6402, 39.0547**, and if you desaturate by 10%, it is **21.9946, 22.2231, 40.1764**.

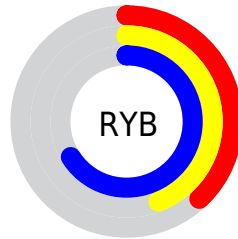
Distribution



Red (38%)

Green (46%)

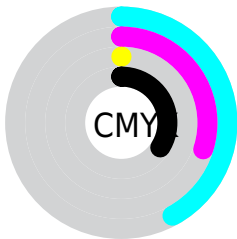
Blue (66%)



Red (38%)

Yellow (44%)

Blue (66%)

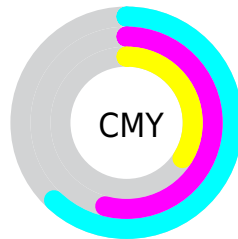


Cyan (42%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (62%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4662, 18.1464, 39.5751 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 18.4662, 18.1464, 39.5751 by changing the saturation by 10% instead.

■ 18.4662, 18.1464,
39.5751

■ 18.4662, 18.1464,
39.5751

236.4809,
241.6949, 359.8281

■ 11.3869, 11.0551,
26.8961

■ 40.3540, 40.2866,
75.7460

■ 6.3969, 6.1039,
17.2635

■ 55.8933, 56.1044,
100.0751

■ 3.1308, 2.9084,
10.2586

■ 74.9832, 75.5998,
129.1247

■ 1.2233, 1.0841,
5.4629

■ 97.9892, 99.1572,
163.3132

■ 0.1247, 0.0000,
2.4579

125.2766,
127.1610, 203.0593

■ 0.0000, 0.0000,
0.8177

157.2108,

■ 0.0000, 0.0000,

159.9957, 248.7814

0.0000

194.1571,
198.0455, 300.8982

■ 18.4662, 18.1464,
39.5751

■ 18.4662, 18.1464,
39.5751

■ 15.5061, 14.6402,
39.0547

■ 21.9946, 22.2231,
40.1764

■ 13.0811, 11.6757,
38.6103

■ 26.1179, 26.8931,
40.8604

■ 11.1575, 9.2246,
38.2386

■ 30.8637, 32.1805,
41.6309

■ 9.6967, 7.2547,
37.9353

■ 36.2569, 38.1073,
42.4906

■ 8.6536, 5.7296,
37.6959

■ 42.3211, 44.6944,
43.4424

■ 8.0293, 4.7499,
37.5397

■ 49.0787, 51.9617,
44.4890

■ 56.5512, 59.9284,
45.6329

■ 64.7590, 68.6127,
46.8765

■ 73.7216, 78.0323,
48.2223

Harmonies

Analogous

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



15.6358, 18.1464, 39.0001



18.4662, 18.1464, 39.5751



21.2502, 18.1464, 33.8755

Triad

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



18.4662, 18.1464, 39.5751



21.6514, 18.1464, 10.8900



12.4998, 18.1464, 15.3637

Complementary

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



18.4662, 18.1464, 39.5751



29.1011, 30.7024, 15.9485

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.



13.7821, 18.1464, 10.2357



18.4662, 18.1464, 39.5751



18.9666, 18.1464, 8.1895

Square

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



18.4662, 18.1464, 39.5751



23.2216, 18.1464, 16.5400



16.0838, 18.1464, 7.9890



12.3976, 18.1464, 23.3692

Rectangle

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



18.4662, 18.1464, 39.5751



22.6220, 18.1464, 28.0121



16.0838, 18.1464, 7.9890



12.7999, 18.1464, 13.3096

Sweetspot

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



18.4668, 18.1471, 39.5755



55.4976, 57.8329, 75.4629



24.3987, 32.7458, 33.1214



11.8536, 12.3364, 16.4086



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.



18.4668, 18.1471, 39.5755



28.5049, 27.0074, 70.9357



18.2678, 15.0851, 38.9950



7.2913, 7.6196, 9.5048



6.1010, 3.6622, 28.3608



0.1900, 0.1721, 0.7039

Inverse Universe

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



23.7276, 18.3453, 19.1206



39.5323, 28.0592, 27.9162



29.3132, 35.6436, 16.8911



7.6116, 7.5745, 8.2721



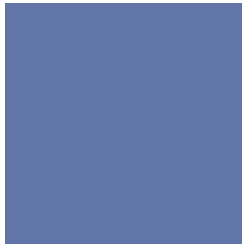
12.5801, 6.4408, 2.6004



0.3270, 0.1651, 0.1736

Previews

White Background



This preview shows how the XYZ color 18.4662, 18.1464, 39.5751 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 18.4662, 18.1464, 39.5751 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

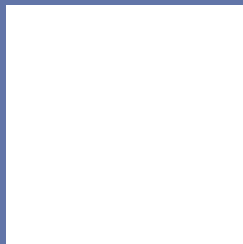
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4662, 18.1464, 39.5751

Background



This preview shows how black text looks on a background with the XYZ color 18.4662, 18.1464, 39.5751.



This preview shows how white text looks on a background with the XYZ color 18.4662, 18.1464,

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

18.4662, 18.1464, 39.5751

Protanopia

18.6999, 18.1056, 39.0684

Deuteranopia

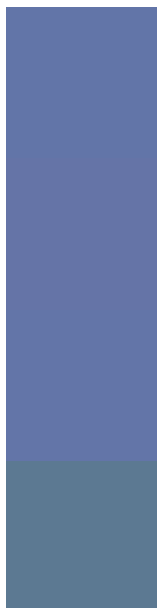
18.5748, 18.2024, 39.5802



Tritanopia

15.6306, 18.2604, 25.2550

Trichromacy



Original Color

18.4662, 18.1464, 39.5751

Protanomaly

18.5873, 18.0475, 39.0631

Deuteranomaly

18.5748, 18.2024, 39.5802

Tritanomaly

16.4393, 18.0254, 29.8069

Monochromacy



Original Color

18.4662, 18.1464, 39.5751

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2356, 17.8151, 25.8228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4662, 18.1464, 39.5751 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(98, 117, 168)` looks like.

```
.text, #text, p{  
    color:rgb(98, 117, 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(98, 117, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 117, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.4662, 18.1464, 39.5751 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(98, 117, 168) }
```


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

```
.border{ border-color:rgb(98, 117, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 117, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 117, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 117, 168);  
box-shadow:4px 4px 4px 4px rgb(98, 117,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4662, 18.1464, 39.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 117, 168) }
```

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

```
.background{ background-color: rgb(98, 117,  
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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