

Converting Colors

XYZ(19.1162, 18.4707, 40.0938)

Have a look what the booklet for
XYZ(19.1162, 18.4707, 40.0938)
contains.

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Color

**XYZ(19.1162, 18.4707,
40.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	6775A9
RGB	103, 117, 169
RGB Percent	40%, 46%, 66%
CMY	0.5961, 0.5412, 0.3373
CMYK	0.39, 0.31, 0.00, 0.34
HSL	227°, 28%, 53%
HSV	227°, 39%, 66%
XYZ	19.1162, 18.4707, 40.0938
YIQ	118.7420, -25.0360, 13.2040

Conversions

Conversions Part 2

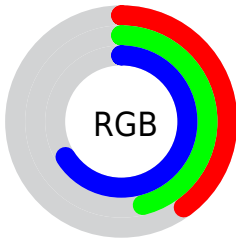
Format	Color
RYB	103, 115, 169
Decimal	6780329
CIELab	50.06, 8.20, -29.45
CIElCh	50, 30.571, 285.555
Yxy	18.4707, 0.2461, 0.2378
Android (android.graphics.Color)	4284970409 (0xFF6775A9)
YUV	118.7420, 24.7772, -13.8057
Hunter-Lab	42.9776, 4.1852, -25.2274

Details

The XYZ color **19.1162, 18.4707, 40.0938** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.5322, 32.8575, 17.5655**, and the grayscale version is **17.3835, 18.2888, 19.9166**.

A 20% lighter version of the original color is **41.3528, 40.8257, 76.2216**, and **6.7552, 6.2707, 17.6839** is the 20% darker color. If you saturate the color by 10%, you get **15.9276, 14.6856, 39.5316**, and if you desaturate by 10%, it is **22.9186, 22.9005, 40.7488**.

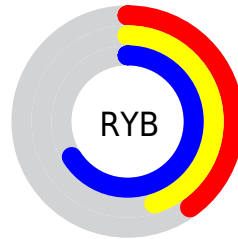
Distribution



Red (40%)

Green (46%)

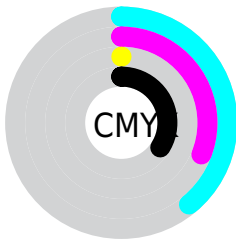
Blue (66%)



Red (40%)

Yellow (45%)

Blue (66%)

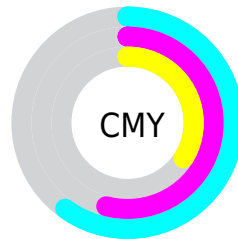


Cyan (39%)

Magenta (31%)

Yellow (0%)

Black (34%)



Cyan (60%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1162, 18.4707, 40.0938 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 19.1162, 18.4707, 40.0938 by changing the saturation by 10% instead.

■ 19.1162, 18.4707,
40.0938

■ 19.1162, 18.4707,
40.0938

240.0153,
243.5109, 362.0826

■ 11.8588, 11.2885,
27.2973

■ 41.4457, 40.8378,
76.5450

■ 6.7191, 6.2612,
17.5623

■ 57.2485, 56.7914,
101.0368

■ 3.3318, 3.0045,
10.4700

■ 76.6305, 76.4376,
130.2641

■ 1.3316, 1.1341,
5.6020

■ 99.9570, 100.1607,
164.6455

■ 0.2067, 0.0069,
2.5398

127.5934,
128.3452, 204.5995

■ 0.0000, 0.0000,
0.8611

159.9050,

■ 0.0000, 0.0000,

161.3755, 250.5447

0.0000

197.2572,
199.6359, 302.8995

■ 19.1162, 18.4707,
40.0938

■ 19.1162, 18.4707,
40.0938

■ 15.9276, 14.6856,
39.5316

■ 22.9186, 22.9005,
40.7488

■ 13.3177, 11.5124,
39.0567

■ 27.3634, 28.0017,
41.4991

■ 11.2511, 8.9184,
38.6649

■ 32.4795, 33.8018,
42.3490

■ 9.6872, 6.8667,
38.3513

■ 38.2938, 40.3261,
43.3019

■ 8.5794, 5.3159,
38.1104

■ 44.8313, 47.5989,
44.3611

■ 7.8466, 4.2050,
37.9346

■ 52.1160, 55.6431,
45.5298

■ 7.7878, 4.1172,
37.9207

■ 60.1708, 64.4806,
46.8111

■ 69.0175, 74.1326,
48.2079

■ 78.6391, 84.5998,
49.7211

Harmonies

Analogous

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



16.1828, 18.4707, 40.2225



19.1162, 18.4707, 40.0938



21.9100, 18.4707, 33.7155

Triad

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



19.1162, 18.4707, 40.0938



21.8203, 18.4707, 10.6242



12.6297, 18.4707, 16.3362

Complementary

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



19.1162, 18.4707, 40.0938



30.5322, 32.8575, 17.5655

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.



13.8205, 18.4707, 10.7697



19.1162, 18.4707, 40.0938



19.0045, 18.4707, 8.1524

Square

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



19.1162, 18.4707, 40.0938



23.5860, 18.4707, 16.0740



16.0828, 18.4707, 8.1969



12.6525, 18.4707, 24.7740

Rectangle

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



19.1162, 18.4707, 40.0938



23.2229, 18.4707, 27.5848



16.0828, 18.4707, 8.1969



12.8950, 18.4707, 14.1268

Sweetspot

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



19.1168, 18.4714, 40.0942



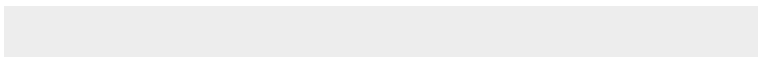
55.1377, 57.1131, 75.3430



25.6732, 33.6164, 36.0144



11.7685, 12.1661, 16.3802



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.



19.1168, 18.4714, 40.0942



29.1604, 27.0625, 70.9118



19.9959, 16.6814, 39.7024



7.2560, 7.5489, 9.4930



5.8372, 3.1345, 28.2729



0.1768, 0.1459, 0.6995

Inverse Universe

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



24.4238, 19.4205, 19.2915



40.1697, 29.4879, 27.6545



29.2696, 35.8682, 18.2132



7.5938, 7.5674, 8.1782



12.4469, 6.3875, 1.8991



0.3204, 0.1624, 0.1387

Previews

White Background



This preview shows how the XYZ color 19.1162, 18.4707, 40.0938 looks on a white background.

Color Contrast Check

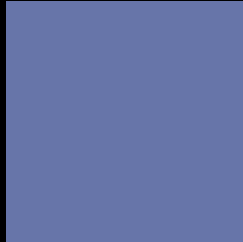
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.1162, 18.4707, 40.0938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

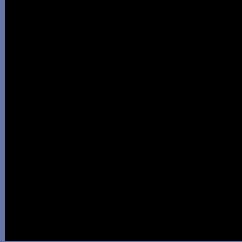
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1162, 18.4707, 40.0938

Background



This preview shows how black text looks on a background with the XYZ color 19.1162, 18.4707, 40.0938.



This preview shows how white text looks on a background with the XYZ color 19.1162, 18.4707,

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

19.1162, 18.4707, 40.0938

Protanopia

19.1162, 18.4707, 40.0938

Deuteranopia

18.8954, 18.5308, 40.1170



Tritanopia

16.1268, 18.5162, 25.2783

Trichromacy



Original Color

19.1162, 18.4707, 40.0938

Protanomaly

19.1162, 18.4707, 40.0938

Deuteranomaly

19.0067, 18.5881, 40.1222

Tritanomaly

17.0336, 18.3227, 30.2426

Monochromacy



Original Color

19.1162, 18.4707, 40.0938

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8038, 18.2737, 26.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1162, 18.4707, 40.0938 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(103, 117, 169)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.1162, 18.4707, 40.0938 is called "border". The border property can be set on classes, ids or directly on the HTML element.

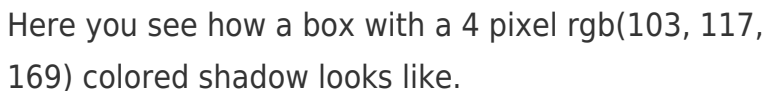
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 117, 169) }
```


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

```
.border{ border-color:rgb(103, 117, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 117, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 117, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 117, 169); box-shadow:4px 4px 4px 4px rgb(103, 117, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1162, 18.4707, 40.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 169) }
```

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

```
.background{ background-color: rgb(103,  
117, 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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