

Converting Colors

XYZ(18.8828, 19.5058, 36.4880)

Have a look what the booklet for
XYZ(18.8828, 19.5058, 36.4880)
contains.

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Color

**XYZ(18.8828, 19.5058,
36.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	657BA1
RGB	101, 123, 161
RGB Percent	40%, 48%, 63%
CMY	0.6039, 0.5176, 0.3686
CMYK	0.37, 0.24, 0.00, 0.37
HSL	218°, 24%, 51%
HSV	218°, 37%, 63%
XYZ	18.8828, 19.5058, 36.4880
YIQ	120.7540, -25.3100, 7.1540

Conversions

Conversions Part 2

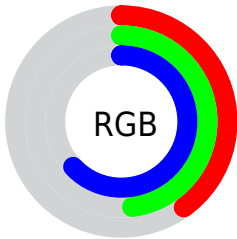
Format	Color
R_{YB}	101, 117, 161
Decimal	6650785
CIE Lab	51.27, 1.78, -22.93
CIE LCh	51, 22.998, 274.434
Yxy	19.5058, 0.2522, 0.2605
Android (android.graphics.Color)	4284840865 (0xFF657BA1)
YUV	120.7540, 19.8413, -17.3243
Hunter-Lab	44.1654, -0.9721, -18.0677

Details

The XYZ color **18.8828, 19.5058, 36.4880** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.2800, 26.9824, 16.1356**, and the grayscale version is **18.0390, 18.9785, 20.6676**.

A 20% lighter version of the original color is **41.0511, 42.4878, 71.0031**, and **6.6416, 6.8401, 15.4382** is the 20% darker color. If you saturate the color by 10%, you get **16.0540, 16.2669, 36.0123**, and if you desaturate by 10%, it is **22.1978, 23.1918, 37.0251**.

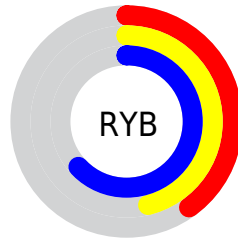
Distribution



Red (40%)

Green (48%)

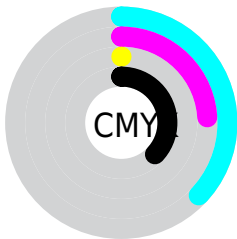
Blue (63%)



Red (40%)

Yellow (46%)

Blue (63%)

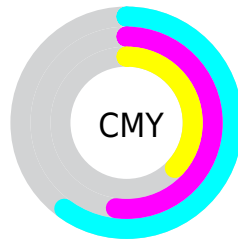


Cyan (37%)

Magenta (24%)

Yellow (0%)

Black (37%)



Cyan (60%)

Magenta (52%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8828, 19.5058, 36.4880 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 18.8828, 19.5058, 36.4880 by changing the saturation by 10% instead.

■ 18.8828, 19.5058,
36.4880

■ 18.8828, 19.5058,
36.4880

238.7515,
249.2270, 346.1902

■ 11.6891, 12.0363,
24.5186

■ 41.0544, 42.5871,
70.9621

■ 6.6031, 6.7684,
15.5031

■ 56.7630, 58.9676,
94.3040

■ 3.2592, 3.3177,
9.0227

■ 76.0406, 79.0873,
122.2737

■ 1.2923, 1.2998,
4.6590

■ 99.2526, 103.3306,
155.2900

■ 0.1774, 0.1410,
1.9934

126.7644,
132.0818, 193.7712

■ 0.0000, 0.0000,
0.5512

158.9412,

■ 0.0000, 0.0000,

165.7253, 238.1359

0.0000

196.1485,
204.6456, 288.8028

■ 18.8828, 19.5058,
36.4880

■ 18.8828, 19.5058,
36.4880

■ 16.0540, 16.2669,
36.0123

■ 22.1978, 23.1918,
37.0251

■ 13.6848, 13.4541,
35.5942

■ 26.0200, 27.3402,
37.6244

■ 11.7486, 11.0480,
35.2318

■ 30.3713, 31.9681,
38.2883

■ 10.2154, 9.0264,
34.9224

■ 35.2718, 37.0912,
39.0189

■ 9.0505, 7.3645,
34.6631

■ 40.7406, 42.7244,
39.8180

■ 8.2012, 6.0276,
34.4498

■ 46.7957, 48.8819,
40.6873

■ 7.9988, 5.7047,
34.3981

■ 53.4543, 55.5772,
41.6287

■ 60.7330, 62.8235,
42.6438

■ 68.6477, 70.6335,
43.7341

Harmonies

Analogous

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



16.7004, 19.5058, 34.7948



18.8828, 19.5058, 36.4880



21.1475, 19.5058, 33.4551

Triad

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



18.8828, 19.5058, 36.4880



22.4211, 19.5058, 14.8659



14.8383, 19.5058, 16.2398

Complementary

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



18.8828, 19.5058, 36.4880



26.2800, 26.9824, 16.1356

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.



16.1555, 19.5058, 12.4299



18.8828, 19.5058, 36.4880



20.5092, 19.5058, 11.7590

Square

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



18.8828, 19.5058, 36.4880



23.2946, 19.5058, 20.2767



18.2007, 19.5058, 10.9688



14.4803, 19.5058, 22.2302

Rectangle

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



18.8828, 19.5058, 36.4880



22.3644, 19.5058, 29.4666



18.2007, 19.5058, 10.9688



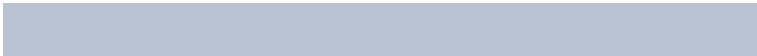
15.1779, 19.5058, 14.7053

Sweetspot

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



18.8834, 19.5065, 36.4885



51.2054, 53.8811, 68.0878



22.6997, 30.0919, 28.6572



11.0146, 11.5879, 14.8998



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8834, 19.5065, 36.4885



29.4197, 29.9092, 64.6090



17.2717, 15.0694, 35.7170



6.9032, 7.2655, 8.9416



6.4245, 4.6284, 27.4845



0.1790, 0.1853, 0.5922

Inverse Universe

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



22.9273, 18.3151, 21.0664



37.9195, 28.0187, 32.0559



28.4207, 33.2998, 17.2422



7.1761, 7.1269, 7.9139



12.3883, 6.3114, 3.9692



0.2825, 0.1415, 0.2004

Previews

White Background



This preview shows how the XYZ color 18.8828, 19.5058, 36.4880 looks on a white background.

Color Contrast Check

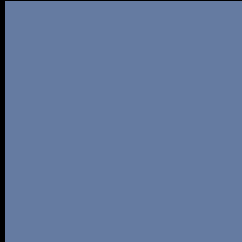
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8828, 19.5058, 36.4880 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

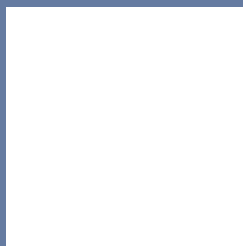
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8828, 19.5058, 36.4880

Background



This preview shows how black text looks on a background with the XYZ color 18.8828, 19.5058, 36.4880.



This preview shows how white text looks on a background with the XYZ color 18.8828, 19.5058,

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

18.8828, 19.5058, 36.4880

Protanopia

19.6566, 19.3809, 35.5058

Deuteranopia

19.9201, 19.4863, 36.8937



Tritanopia

16.8240, 19.4178, 26.5282

Trichromacy



Original Color

18.8828, 19.5058, 36.4880

Protanomaly

19.3669, 19.4010, 35.9817

Deuteranomaly

19.5433, 19.4715, 36.9108

Tritanomaly

17.5789, 19.5384, 30.0389

Monochromacy



Original Color

18.8828, 19.5058, 36.4880

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3429, 19.2740, 26.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8828, 19.5058, 36.4880 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(101, 123, 161)` looks like.

```
.text, #text, p{  
    color:rgb(101, 123, 161)  
}
```

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(101, 123, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 123, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.8828, 19.5058, 36.4880 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(101, 123, 161) }
```


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

```
.border{ border-color:rgb(101, 123, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 123, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 123, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 123, 161);  
box-shadow:4px 4px 4px 4px rgb(101, 123,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8828, 19.5058, 36.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 123, 161) }
```

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

```
.background{ background-color: rgb(101,  
123, 161) }
```

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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