

Converting Colors

XYZ(18.2380, 19.1422, 32.8706)

Have a look what the booklet for
XYZ(18.2380, 19.1422, 32.8706)
contains.

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Color

**XYZ(18.1888, 19.0438,
32.8542)**

Conversions

Conversions Part 1

Format	Color
Hex	667A99
RGB	102, 122, 153
RGB Percent	40%, 48%, 60%
CMY	0.6000, 0.5216, 0.4000
CMYK	0.33, 0.20, 0.00, 0.40
HSL	216°, 20%, 50%
HSV	216°, 33%, 60%
XYZ	18.1888, 19.0438, 32.8542
YIQ	119.5540, -21.8710, 5.4010

Conversions

Conversions Part 2

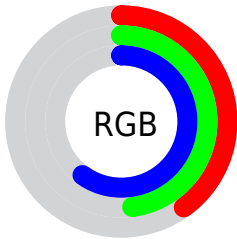
Format	Color
RYB	102, 116, 153
Decimal	6716057
CIELab	50.74, 0.47, -19.08
CIELCh	51, 19.084, 271.401
Yxy	19.0438, 0.2595, 0.2717
Android (android.graphics.Color)	4284906137 (0xFF667A99)
YUV	119.5540, 16.4889, -15.3949
Hunter-Lab	43.6392, -1.9699, -14.0896

Details

The XYZ color **18.1888, 19.0438, 32.8542** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.9230, 24.5069, 16.0403**, and the grayscale version is **17.6650, 18.5850, 20.2391**.

A 20% lighter version of the original color is **39.7250, 41.6471, 64.9765**, and **6.3153, 6.6138, 13.5141** is the 20% darker color. If you saturate the color by 10%, you get **15.5246, 16.0559, 32.4182**, and if you desaturate by 10%, it is **21.2836, 22.4167, 33.3425**.

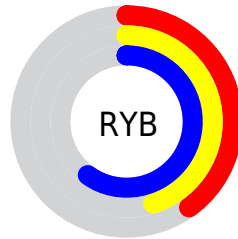
Distribution



Red (40%)

Green (48%)

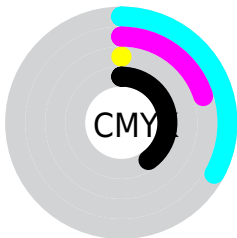
Blue (60%)



Red (40%)

Yellow (45%)

Blue (60%)

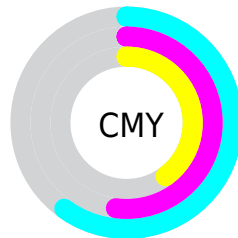


Cyan (33%)

Magenta (20%)

Yellow (0%)

Black (40%)



Cyan (60%)

Magenta (52%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1888, 19.0438, 32.8542 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 18.1888, 19.0438, 32.8542 by changing the saturation by 10% instead.

■ 18.1888, 19.0438,
32.8542

■ 18.1888, 19.0438,
32.8542

234.9581,
246.6905, 329.6041

■ 11.1861, 11.7019,
21.7446

■ 39.8863, 41.8081,
65.2612

■ 6.2604, 6.5411,
13.4728

■ 55.3119, 57.9993,
87.3957

■ 3.0462, 3.1768,
7.6204

■ 74.2758, 77.9091,
114.0422

■ 1.1782, 1.2247,
3.7688

■ 97.1435, 101.9219,
145.6193

■ 0.0891, 0.0817,
1.4994

124.2802,
130.4220, 182.5455

■ 0.0000, 0.0000,
0.2174

156.0513,

■ 0.0000, 0.0000,

163.7939, 225.2393

0.0000

192.8221,
202.4219, 274.1193

■ 18.1888, 19.0438,
32.8542

■ 18.1888, 19.0438,
32.8542

■ 15.5246, 16.0559,
32.4182

■ 21.2836, 22.4167,
33.3425

■ 13.2684, 13.4357,
32.0314

■ 24.8263, 26.1868,
33.8834

■ 11.3983, 11.1674,
31.6921

■ 28.8356, 30.3681,
34.4792

■ 9.8895, 9.2334,
31.3984

■ 33.3284, 34.9735,
35.1313

■ 8.7136, 7.6138,
31.1477

■ 38.3208, 40.0152,
35.8413

■ 7.8377, 6.2861,
30.9376

■ 43.8282, 45.5048,
36.6107

■ 7.3659, 5.5320,
30.8169

■ 49.8651, 51.4537,
37.4407

■ 56.4457, 57.8725,
38.3329

■ 63.5834, 64.7717,
39.2883

Harmonies

Analogous

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



16.4303, 19.0438, 31.1770



18.1888, 19.0438, 32.8542



20.0432, 19.0438, 30.8470

Triad

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



18.1888, 19.0438, 32.8542



21.3528, 19.0438, 15.8111



15.1183, 19.0438, 16.1786

Complementary

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



18.1888, 19.0438, 32.8542



23.9230, 24.5069, 16.0403

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.



16.2877, 19.0438, 13.1171



18.1888, 19.0438, 32.8542



19.8803, 19.0438, 12.9321

Square

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



18.1888, 19.0438, 32.8542



21.9461, 19.0438, 20.4842



18.0126, 19.0438, 12.0370



14.7327, 19.0438, 20.9888

Rectangle

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



18.1888, 19.0438, 32.8542



21.0645, 19.0438, 27.8609



18.0126, 19.0438, 12.0370



15.4286, 19.0438, 14.9420

Sweetspot

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



18.1894, 19.0445, 32.8546



46.6200, 49.1640, 61.0044



21.0772, 27.2901, 26.2028



10.0967, 10.6490, 13.4408



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.1894, 19.0445, 32.8546



28.9447, 30.0509, 58.2468



16.5771, 14.9352, 32.1464



6.0733, 6.4039, 7.8450



6.1184, 4.6335, 25.4796



0.1253, 0.1370, 0.3922

Inverse Universe

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



21.4016, 17.6807, 20.6979



35.7128, 27.6227, 32.5328



25.9846, 30.0288, 16.9975



6.3041, 6.2608, 6.9815



11.5471, 5.8731, 4.1398



0.1897, 0.0946, 0.1519

Previews

White Background



This preview shows how the XYZ color 18.1888, 19.0438, 32.8542 looks on a white background.

Color Contrast Check

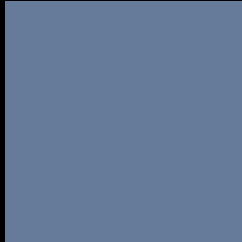
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1888, 19.0438, 32.8542 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

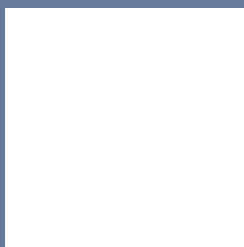
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1888, 19.0438, 32.8542

Background



This preview shows how black text looks on a background with the XYZ color 18.1888, 19.0438, 32.8542.

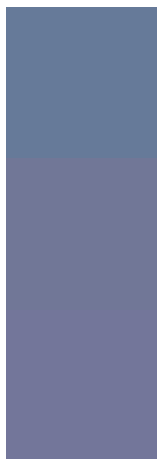


This preview shows how white text looks on a background with the XYZ color 18.1888, 19.0438,

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

18.1888, 19.0438, 32.8542

Protanopia

18.9928, 18.9387, 31.9327

Deuteranopia

19.3814, 18.9348, 33.2051



Tritanopia

16.7438, 19.0132, 25.7091

Trichromacy



Original Color

18.1888, 19.0438, 32.8542

Protanomaly

18.6906, 18.9512, 32.3786

Deuteranomaly

18.8600, 18.8417, 33.2146

Tritanomaly

17.2357, 19.0209, 28.3542

Monochromacy



Original Color

18.1888, 19.0438, 32.8542

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8123, 18.8514, 24.5297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1888, 19.0438, 32.8542 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, 122, 153)` looks like.

```
.text, #text, p{  
    color:rgb(102, 122, 153)  
}
```

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, 122, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 122, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.1888, 19.0438, 32.8542 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, 122, 153) }
```


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

```
.border{ border-color:rgb(102, 122, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 122, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 122, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 122, 153);  
box-shadow:4px 4px 4px 4px rgb(102, 122,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1888, 19.0438, 32.8542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 122, 153) }
```

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

```
.background{ background-color: rgb(102,  
122, 153) }
```

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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