

Converting Colors

XYZ(18.3301, 19.5347, 38.0706)

Have a look what the booklet for
XYZ(18.3301, 19.5347, 38.0706)
contains.

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Color

**XYZ(18.3488, 19.5717,
37.9326)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7DA4
RGB	91, 125, 164
RGB Percent	36%, 49%, 64%
CMY	0.6431, 0.5098, 0.3569
CMYK	0.45, 0.24, 0.00, 0.36
HSL	212°, 29%, 50%
HSV	212°, 45%, 64%
XYZ	18.3488, 19.5717, 37.9326
YIQ	119.2800, -32.7830, 4.9210

Conversions

Conversions Part 2

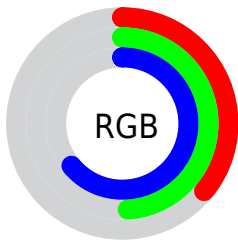
Format	Color
R_{YB}	91, 114, 164
Decimal	5995940
CIE _{Lab}	51.35, -1.32, -24.61
CIE _{LCh}	51, 24.644, 266.918
Yxy	19.5717, 0.2419, 0.2580
Android (android.graphics.Color)	4284186020 (0xFF5B7DA4)
YUV	119.2800, 22.0470, -24.8016
Hunter-Lab	44.2399, -3.3858, -19.8690

Details

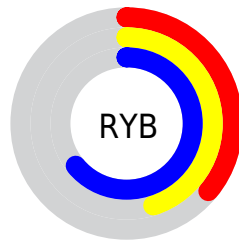
The XYZ color **18.3488, 19.5717, 37.9326** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.1813, 24.6136, 13.3219**, and the grayscale version is **17.5635, 18.4782, 20.1228**.

A 20% lighter version of the original color is **40.0099, 42.4880, 73.1101**, and **6.3084, 6.7508, 16.2998** is the 20% darker color. If you saturate the color by 10%, you get **15.8447, 16.7066, 37.5119**, and if you desaturate by 10%, it is **21.3054, 22.8162, 38.4034**.

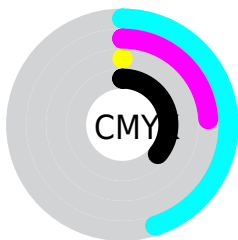
Distribution



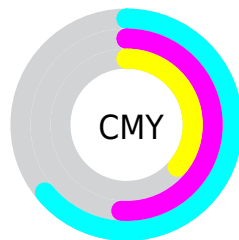
- Red (36%)
- Green (49%)
- Blue (64%)



- Red (36%)
- Yellow (45%)
- Blue (64%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (36%)



- Cyan (64%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3488, 19.5717, 37.9326 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 18.3488, 19.5717, 37.9326 by changing the saturation by 10% instead.

■ 18.3488, 19.5717,
37.9326

■ 18.3488, 19.5717,
37.9326

235.8375,
249.5869, 352.6203

■ 11.3019, 12.0841,
25.6290

■ 40.1562, 42.6979,
73.2071

■ 6.3391, 6.8010,
16.3230

■ 55.6475, 59.1053,
97.0150

■ 3.0949, 3.3379,
9.5962

■ 74.6842, 79.2548,
125.4948

■ 1.2042, 1.3106,
5.0300

■ 97.6317, 103.5308,
159.0650

■ 0.1097, 0.1494,
2.2058

124.8555,
132.3175, 198.1441

■ 0.0000, 0.0000,
0.6777

156.7208,

■ 0.0000, 0.0000,

165.9996, 243.1506

0.0000

193.5930,
204.9612, 294.5032

■ 18.3488, 19.5717,
37.9326

■ 18.3488, 19.5717,
37.9326

■ 15.8447, 16.7066,
37.5119

■ 21.3054, 22.8162,
38.4034

■ 13.7654, 14.2015,
37.1380

■ 24.7360, 26.4535,
38.9246

■ 12.0828, 12.0387,
36.8092

■ 28.6632, 30.4992,
39.4985

■ 10.7642, 10.1971,
36.5232

■ 33.1075, 34.9671,
40.1267

■ 9.7705, 8.6522,
36.2774

■ 38.0879, 39.8703,
40.8106

■ 9.3119, 7.9024,
36.1569

■ 43.6227, 45.2215,
41.5518

■ 49.7292, 51.0325,
42.3516

■ 56.4239, 57.3149,
43.2114

■ 63.7226, 64.0798,
44.1324

Harmonies

Analogous

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



16.1344, 19.5717, 34.8202



18.3488, 19.5717, 37.9326



20.8306, 19.5717, 35.8419

Triad

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



18.3488, 19.5717, 37.9326



23.1544, 19.5717, 15.7390



14.9084, 19.5717, 14.7292

Complementary

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



18.3488, 19.5717, 37.9326



25.1813, 24.6136, 13.3219

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.



16.5389, 19.5717, 11.3573



18.3488, 19.5717, 37.9326



21.3099, 19.5717, 11.8435

Square

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



18.3488, 19.5717, 37.9326



23.7453, 19.5717, 22.0480



18.8582, 19.5717, 10.4303



14.2613, 19.5717, 20.5892

Rectangle

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



18.3488, 19.5717, 37.9326



22.2815, 19.5717, 31.9860



18.8582, 19.5717, 10.4303



15.3522, 19.5717, 13.3213

Sweetspot

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



18.3495, 19.5724, 37.9331



52.9969, 56.3446, 71.8347



21.6152, 30.3854, 25.8220



11.2346, 11.9606, 15.6540



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.3495, 19.5724, 37.9331



28.9750, 30.5760, 68.1269



15.0007, 12.5130, 36.7470



6.9597, 7.3783, 8.9604



7.1868, 6.1529, 27.7386



0.1982, 0.2237, 0.5986

Inverse Universe

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



22.7531, 16.8560, 21.4571



38.2073, 25.8885, 33.3588



29.9766, 34.9427, 15.0628



7.2046, 7.1383, 8.0639



12.7730, 6.4653, 5.9953



0.2922, 0.1454, 0.2514

Previews

White Background



This preview shows how the XYZ color 18.3488, 19.5717, 37.9326 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 18.3488, 19.5717, 37.9326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

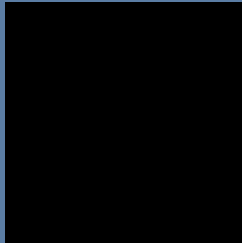
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

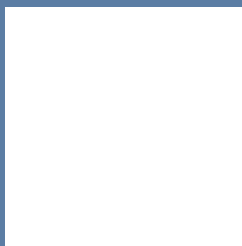
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3488, 19.5717, 37.9326

Background



This preview shows how black text looks on a background with the XYZ color 18.3488, 19.5717, 37.9326.

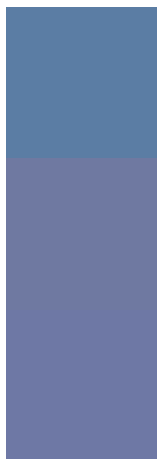


This preview shows how white text looks on a background with the XYZ color 18.3488, 19.5717,

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

18.3488, 19.5717, 37.9326

Protanopia

19.8259, 19.6275, 36.4618

Deuteranopia

19.9384, 19.4646, 38.3035



Tritanopia

16.2400, 19.4788, 27.7148

Trichromacy



Original Color

18.3488, 19.5717, 37.9326

Protanomaly

19.1900, 19.4708, 36.9292

Deuteranomaly

19.3446, 19.5192, 38.3453

Tritanomaly

17.0745, 19.6345, 31.3237

Monochromacy



Original Color

18.3488, 19.5717, 37.9326

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5172, 18.6752, 25.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3488, 19.5717, 37.9326 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(91, 125, 164)` looks like.

```
.text, #text, p{  
    color:rgb(91, 125, 164)  
}
```

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(91, 125, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 125, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.3488, 19.5717, 37.9326 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(91, 125, 164) }
```


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

```
.border{ border-color:rgb(91, 125, 164) }
```

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

Here you see how a box with a 4 pixel rgb(91, 125, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 125, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 125, 164);  
box-shadow:4px 4px 4px 4px rgb(91, 125,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3488, 19.5717, 37.9326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 125, 164) }
```

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

```
.background{ background-color: rgb(91, 125,  
164) }
```

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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