

Converting Colors

XYZ(18.2056, 19.2851, 37.8510)

Have a look what the booklet for
XYZ(18.2056, 19.2851, 37.8510)
contains.

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Color

**XYZ(18.2229, 19.3198,
37.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7CA4
RGB	91, 124, 164
RGB Percent	36%, 49%, 64%
CMY	0.6431, 0.5137, 0.3569
CMYK	0.45, 0.24, 0.00, 0.36
HSL	213°, 29%, 50%
HSV	213°, 45%, 64%
XYZ	18.2229, 19.3198, 37.8906
YIQ	118.6930, -32.5080, 5.4440

Conversions

Conversions Part 2

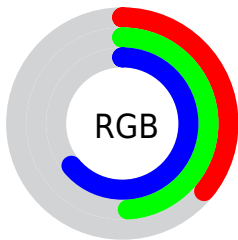
Format	Color
R_{YB}	91, 114, 164
Decimal	5995684
CIE _{Lab}	51.06, -0.74, -25.06
CIE _{LCh}	51, 25.068, 268.317
Yxy	19.3198, 0.2416, 0.2561
Android (android.graphics.Color)	4284185764 (0xFF5B7CA4)
YUV	118.6930, 22.3364, -24.2868
Hunter-Lab	43.9543, -2.9162, -20.3427

Details

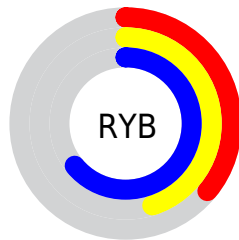
The XYZ color **18.2229, 19.3198, 37.8906** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.3151, 24.8811, 13.3666**, and the grayscale version is **17.3773, 18.2823, 19.9094**.

A 20% lighter version of the original color is **39.8131, 42.0944, 73.0445**, and **6.2400, 6.6141, 16.2770** is the 20% darker color. If you saturate the color by 10%, you get **15.7042, 16.4253, 37.4650**, and if you desaturate by 10%, it is **21.1989, 22.6031, 38.3679**.

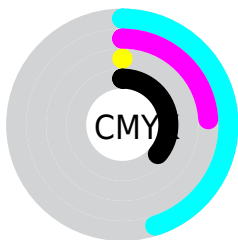
Distribution



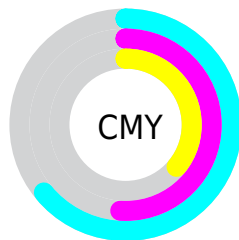
- Red (36%)
- Green (49%)
- Blue (64%)



- 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 18.2229, 19.3198, 37.8906 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 18.2229, 19.3198, 37.8906 by changing the saturation by 10% instead.

■ 18.2229, 19.3198,
37.8906

■ 18.2229, 19.3198,
37.8906

235.1458,
248.2086, 352.4345

■ 11.2108, 11.9016,
25.5966

■ 39.9439, 42.2738,
73.1420

■ 6.2771, 6.6767,
16.2991

■ 55.3835, 58.5784,
96.9365

■ 3.0566, 3.2607,
9.5794

■ 74.3629, 78.6138,
125.4015

■ 1.1838, 1.2693,
5.0190

■ 97.2476, 102.7646,
158.9557

■ 0.0935, 0.1173,
2.1995

124.4029,
131.4151, 198.0176

■ 0.0000, 0.0000,
0.6741

156.1941,

■ 0.0000, 0.0000,

164.9496, 243.0057

0.0000

192.9866,
203.7527, 294.3385

■ 18.2229, 19.3198,
37.8906

■ 18.2229, 19.3198,
37.8906

■ 15.7042, 16.4253,
37.4650

■ 21.1989, 22.6031,
38.3679

■ 13.6147, 13.9001,
37.0877

■ 24.6540, 26.2894,
38.8973

■ 11.9264, 11.7258,
36.7570

■ 28.6109, 30.3943,
39.4810

■ 10.6062, 9.8810,
36.4705

■ 33.0901, 34.9321,
40.1209

■ 9.6147, 8.3406,
36.2255

■ 38.1110, 39.9164,
40.8183

■ 9.1588, 7.5962,
36.1058

■ 43.6921, 45.3600,
41.5748

■ 49.8507, 51.2752,
42.3920

■ 56.6035, 57.6738,
43.2712

■ 63.9665, 64.5672,
44.2136

Harmonies

Analogous

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



15.9662, 19.3198, 34.9595



18.2229, 19.3198, 37.8906



20.7236, 19.3198, 35.5265

Triad

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



18.2229, 19.3198, 37.8906



22.8980, 19.3198, 15.1904



14.5900, 19.3198, 14.6369

Complementary

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



18.2229, 19.3198, 37.8906



25.3151, 24.8811, 13.3666

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.



16.1886, 19.3198, 11.1435



18.2229, 19.3198, 37.8906



20.9882, 19.3198, 11.4087

Square

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



18.2229, 19.3198, 37.8906



23.5643, 19.3198, 21.4405



18.5036, 19.3198, 10.1092



13.9894, 19.3198, 20.6366

Rectangle

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



18.2229, 19.3198, 37.8906



22.1670, 19.3198, 31.5100



18.5036, 19.3198, 10.1092



15.0210, 19.3198, 13.1858

Sweetspot

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



18.2236, 19.3205, 37.8911



52.9090, 56.1689, 71.8054



21.6152, 30.3855, 25.8221



11.2127, 11.9168, 15.6467



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.



18.2236, 19.3205, 37.8911



28.7208, 30.0676, 68.0422



15.0008, 12.5131, 36.7470



6.9518, 7.3626, 8.9578



7.0690, 5.9173, 27.6994



0.1955, 0.2184, 0.5977

Inverse Universe

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



22.6896, 16.8306, 21.1223



38.0790, 25.8372, 32.6832



29.9766, 34.9427, 15.0630



7.2007, 7.1367, 8.0430



12.7135, 6.4415, 5.6822



0.2909, 0.1448, 0.2443

Previews

White Background



This preview shows how the XYZ color 18.2229, 19.3198, 37.8906 looks on a white background.

Color Contrast Check

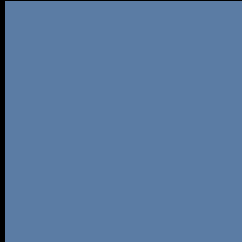
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2229, 19.3198, 37.8906 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

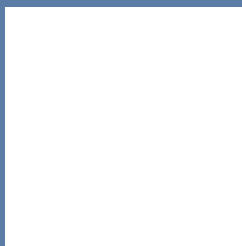
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2229, 19.3198, 37.8906

Background



This preview shows how black text looks on a background with the XYZ color 18.2229, 19.3198, 37.8906.

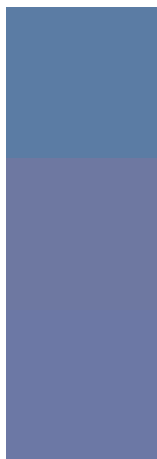


This preview shows how white text looks on a background with the XYZ color 18.2229, 19.3198,

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

18.2229, 19.3198, 37.8906

Protanopia

19.5799, 19.3211, 36.4156

Deuteranopia

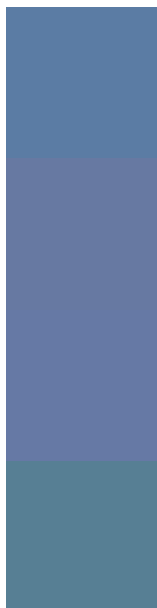
19.6923, 19.3377, 38.2920



Tritanopia

16.1666, 19.4494, 27.3281

Trichromacy



Original Color

18.2229, 19.3198, 37.8906

Protanomaly

18.9525, 19.1669, 36.8831

Deuteranomaly

19.1084, 19.2161, 38.2993

Tritanomaly

16.8651, 19.3431, 30.8617

Monochromacy



Original Color

18.2229, 19.3198, 37.8906

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 18.2229, 19.3198, 37.8906 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, 124, 164)` looks like.

```
.text, #text, p{  
    color:rgb(91, 124, 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, 124, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 124, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.2229, 19.3198, 37.8906 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, 124, 164) }
```


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

```
.border{ border-color:rgb(91, 124, 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, 124, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 124, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 124, 164);  
box-shadow:4px 4px 4px 4px rgb(91, 124,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2229, 19.3198, 37.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 124, 164) }
```

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

```
.background{ background-color: rgb(91, 124,  
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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