

Converting Colors

XYZ(18.9522, 19.1347, 42.2296)

Have a look what the booklet for
XYZ(18.9522, 19.1347, 42.2296)
contains.

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Color

**XYZ(18.8944, 19.0190,
42.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	5D79AD
RGB	93, 121, 173
RGB Percent	36%, 47%, 68%
CMY	0.6353, 0.5255, 0.3216
CMYK	0.46, 0.30, 0.00, 0.32
HSL	219°, 33%, 52%
HSV	219°, 46%, 68%
XYZ	18.8944, 19.0190, 42.2104
YIQ	118.5560, -33.3800, 10.2360

Conversions

Conversions Part 2

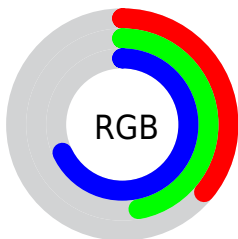
Format	Color
R _Y B	93, 114, 173
Decimal	6125997
CIE Lab	50.71, 4.27, -30.81
CIE LCh	51, 31.109, 277.890
Yxy	19.0190, 0.2358, 0.2374
Android (android.graphics.Color)	4284316077 (0xFF5D79AD)
YUV	118.5560, 26.8409, -22.4126
Hunter-Lab	43.6108, 1.0164, -26.8586

Details

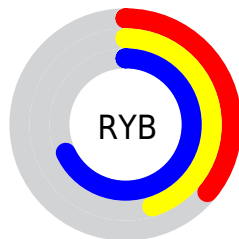
The XYZ color **18.8944, 19.0190, 42.2104** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.3355, 29.9263, 14.5870**, and the grayscale version is **17.3207, 18.2227, 19.8446**.

A 20% lighter version of the original color is **41.1190, 41.7473, 80.0196**, and **6.6094, 6.5525, 18.6857** is the 20% darker color. If you saturate the color by 10%, you get **16.0496, 15.6410, 41.7087**, and if you desaturate by 10%, it is **22.2960, 22.9213, 42.7847**.

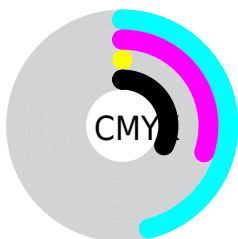
Distribution



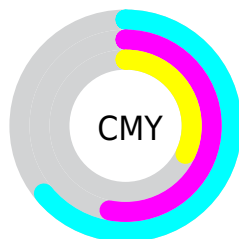
- Red (36%)
- Green (47%)
- Blue (68%)



- Red (36%)
- Yellow (45%)
- Blue (68%)



- Cyan (46%)
- Magenta (30%)
- Yellow (0%)
- Black (32%)



- Cyan (64%)
- Magenta (53%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8944, 19.0190, 42.2104 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 18.8944, 19.0190, 42.2104 by changing the saturation by 10% instead.

■ 18.8944, 19.0190,
42.2104

■ 18.8944, 19.0190,
42.2104

238.8145,
246.5536, 371.1797

■ 11.6976, 11.6840,
28.9393

■ 41.0738, 41.7662,
79.7915

■ 6.6088, 6.5289,
18.7897

■ 56.7871, 57.9472,
104.9385

■ 3.2628, 3.1693,
11.3432

■ 76.0700, 77.8457,
134.8813

■ 1.2942, 1.2207,
6.1811

■ 99.2877, 101.8460,
170.0383

■ 0.1789, 0.0785,
2.8849

126.8056,
130.3325, 210.8281

■ 0.0000, 0.0000,
1.0362

158.9892,

■ 0.0000, 0.0000,

163.6897, 257.6693

0.0000

196.2037,
202.3020, 310.9803

■ 18.8944, 19.0190,
42.2104

■ 18.8944, 19.0190,
42.2104

■ 16.0496, 15.6410,
41.7087

■ 22.2960, 22.9213,
42.7847

■ 13.7271, 12.7602,
41.2750

■ 26.2820, 27.3688,
43.4331

■ 11.8913, 10.3503,
40.9066

■ 30.8807, 32.3836,
44.1586

■ 10.5008, 8.3807,
40.5998

■ 36.1178, 37.9861,
44.9640

■ 9.5017, 6.8140,
40.3500

■ 42.0173, 44.1955,
45.8516

■ 9.1876, 6.3066,
40.2686

■ 48.6021, 51.0300,
46.8237

■ 55.8940, 58.5073,
47.8827

■ 63.9138, 66.6440,
49.0305

■ 72.6814, 75.4563,
50.2694

Harmonies

Analogous

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



15.9573, 19.0190, 40.5031



18.8944, 19.0190, 42.2104



21.9251, 19.0190, 37.0018

Triad

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



18.8944, 19.0190, 42.2104



23.1140, 19.0190, 12.0080



13.1678, 19.0190, 15.0058

Complementary

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



18.8944, 19.0190, 42.2104



29.3355, 29.9263, 14.5870

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.



14.7077, 19.0190, 10.0766



18.8944, 19.0190, 42.2104



20.3765, 19.0190, 8.7159

Square

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



18.8944, 19.0190, 42.2104



24.5338, 19.0190, 18.4865



17.2835, 19.0190, 8.1251



12.8658, 19.0190, 23.1017

Rectangle

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



18.8944, 19.0190, 42.2104



23.5161, 19.0190, 30.9860



17.2835, 19.0190, 8.1251



13.5488, 19.0190, 12.9992

Sweetspot

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



18.8951, 19.0197, 42.2109



57.0851, 59.9148, 79.3618



24.5693, 34.2592, 32.1065



12.0009, 12.5844, 17.1842



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8951, 19.0197, 42.2109



28.8734, 28.1689, 74.7211



17.2837, 13.8500, 41.2979



7.7996, 8.1986, 10.1241



6.7988, 4.7315, 29.5994



0.2413, 0.2360, 0.8408

Inverse Universe

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



24.5997, 18.0942, 20.2857



40.5638, 27.2338, 29.5747



31.6179, 38.2550, 16.0743



8.1167, 8.0599, 8.9252



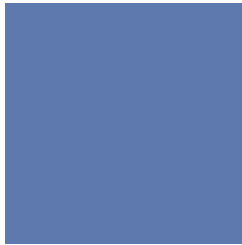
13.2954, 6.7807, 3.9349



0.3962, 0.1992, 0.2482

Previews

White Background



This preview shows how the XYZ color 18.8944, 19.0190, 42.2104 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 18.8944, 19.0190, 42.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

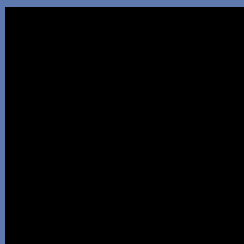
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

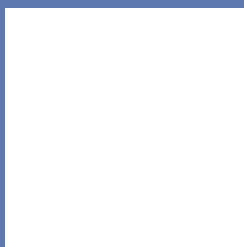
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8944, 19.0190, 42.2104

Background



This preview shows how black text looks on a background with the XYZ color 18.8944, 19.0190, 42.2104.

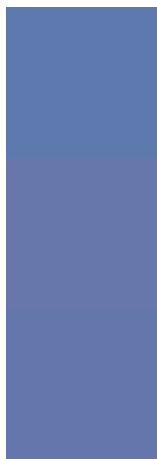


This preview shows how white text looks on a background with the XYZ color 18.8944, 19.0190,

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

18.8944, 19.0190, 42.2104

Protanopia

19.6564, 19.0770, 41.1743

Deuteranopia

19.3952, 18.9201, 42.1649



Tritanopia

15.8739, 19.1123, 26.8972

Trichromacy



Original Color

18.8944, 19.0190, 42.2104

Protanomaly

19.4184, 19.1208, 41.6970

Deuteranomaly

19.1891, 18.9915, 42.1895

Tritanomaly

16.8500, 18.9278, 32.0435

Monochromacy



Original Color

18.8944, 19.0190, 42.2104

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8071, 18.6120, 27.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8944, 19.0190, 42.2104 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(93, 121, 173)` looks like.

```
.text, #text, p{  
    color:rgb(93, 121, 173)  
}
```

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(93, 121, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 121, 173) }
```

Border

The CSS property to change the border of an element to XYZ 18.8944, 19.0190, 42.2104 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(93, 121, 173) }
```


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

```
.border{ border-color:rgb(93, 121, 173) }
```

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

Here you see how a box with a 4 pixel rgb(93, 121, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 121, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 121, 173);  
box-shadow:4px 4px 4px 4px rgb(93, 121,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8944, 19.0190, 42.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 121, 173) }
```

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

```
.background{ background-color: rgb(93, 121,  
173) }
```

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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