

Converting Colors

XYZ(19.3835, 18.9757, 47.4408)

Have a look what the booklet for
XYZ(19.3835, 18.9757, 47.4408)
contains.

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Color

**XYZ(19.3835, 18.9757,
47.4408)**

Conversions

Conversions Part 1

Format	Color
Hex	5978B7
RGB	89, 120, 183
RGB Percent	35%, 47%, 72%
CMY	0.6510, 0.5294, 0.2824
CMYK	0.51, 0.34, 0.00, 0.28
HSL	220°, 39%, 53%
HSV	220°, 51%, 72%
XYZ	19.3835, 18.9757, 47.4408
YIQ	117.9130, -38.6990, 13.0210

Conversions

Conversions Part 2

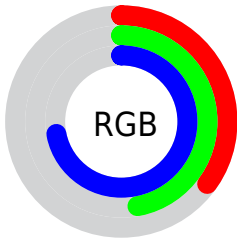
Format	Color
R _Y B	89, 112, 183
Decimal	5863607
CIE Lab	50.66, 6.99, -36.69
CIE LCh	51, 37.352, 280.778
Yxy	18.9757, 0.2259, 0.2212
Android (android.graphics.Color)	4284053687 (0xFF5978B7)
YUV	117.9130, 32.0879, -25.3567
Hunter-Lab	43.5611, 3.1957, -34.0778

Details

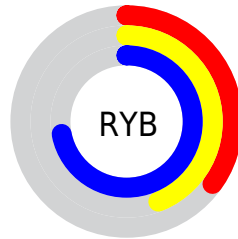
The XYZ color **19.3835, 18.9757, 47.4408** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32.5606, 33.2460, 14.1530**, and the grayscale version is **17.1048, 17.9956, 19.5972**.

A 20% lighter version of the original color is **41.8341, 41.6663, 87.4989**, and **6.8820, 6.5225, 22.0153** is the 20% darker color. If you saturate the color by 10%, you get **16.4590, 15.4170, 46.9084**, and if you desaturate by 10%, it is **22.9348, 23.1386, 48.0575**.

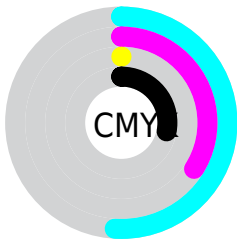
Distribution



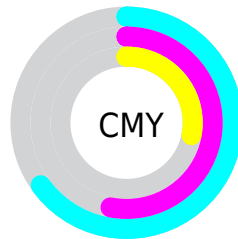
- Red (35%)
- Green (47%)
- Blue (72%)



- Red (35%)
- Yellow (44%)
- Blue (72%)



- Cyan (51%)
- Magenta (34%)
- Yellow (0%)
- Black (28%)



- Cyan (65%)
- Magenta (53%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3835, 18.9757, 47.4408 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 19.3835, 18.9757, 47.4408 by changing the saturation by 10% instead.

■ 19.3835, 18.9757,
47.4408

■ 19.3835, 18.9757,
47.4408

241.4555,
246.3146, 393.0159

■ 12.0534, 11.6527,
33.0274

■ 41.8930, 41.6930,
87.7281

■ 6.8525, 6.5077,
21.8762

■ 57.8031, 57.8562,
114.4391

■ 3.4155, 3.1562,
13.5685

■ 77.3039, 77.7348,
146.0863

■ 1.3771, 1.2138,
7.6859

■ 100.7607,
101.7134, 183.0884

■ 0.2398, 0.0729,
3.8097

128.5389,
130.1763, 225.8639

■ 0.0000, 0.0000,
1.5215

161.0038,

■ 0.0000, 0.0000,

163.5078, 274.8313

0.2339

198.5209,
202.0925, 330.4091

■ 0.0000, 0.0000,
0.0000

■ 19.3835, 18.9757,
47.4408

■ 19.3835, 18.9757,
47.4408

■ 16.4590, 15.4170,
46.9084

■ 22.9348, 23.1386,
48.0575

■ 14.1192, 12.4294,
46.4551

■ 27.1472, 27.9326,
48.7608

■ 12.3195, 9.9790,
46.0769

■ 32.0548, 33.3850,
49.5546

■ 11.0072, 8.0264,
45.7692

■ 37.6886, 39.5208,
50.4420

■ 10.1816, 6.6874,
45.5543

■ 44.0778, 46.3639,
51.4261

■ 51.2498, 53.9367,
52.5098

■ 59.2306, 62.2607,
53.6958

■ 68.0451, 71.3564,
54.9869

■ 77.7171, 81.2437,
56.3856

Harmonies

Analogous

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



15.8178, 18.9757, 46.1173



19.3835, 18.9757, 47.4408



23.0310, 18.9757, 39.9776

Triad

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



19.3835, 18.9757, 47.4408



23.9037, 18.9757, 10.0994



12.1760, 18.9757, 14.7136

Complementary

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



19.3835, 18.9757, 47.4408



32.5606, 33.2460, 14.1530

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.



13.8208, 18.9757, 8.8532



19.3835, 18.9757, 47.4408



20.4521, 18.9757, 6.8799

Square

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



19.3835, 18.9757, 47.4408



25.8656, 18.9757, 17.1184



16.7521, 18.9757, 6.5177



11.9709, 18.9757, 24.6622

Rectangle

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



19.3835, 18.9757, 47.4408



24.8974, 18.9757, 32.1385



16.7521, 18.9757, 6.5177



12.5672, 18.9757, 12.3048

Sweetspot

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



19.3842, 18.9764, 47.4413



63.4229, 66.3648, 89.7027



26.6942, 38.2474, 35.5391



13.5395, 14.1476, 19.7388



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.3842, 18.9764, 47.4413



28.7114, 26.6539, 83.8672



17.9070, 13.5476, 46.4713



8.7566, 9.1904, 11.3918



7.1596, 4.7788, 31.7981



0.3106, 0.2849, 1.1404

Inverse Universe

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



26.4916, 18.5689, 19.9578



43.2726, 27.2150, 27.2475



34.7441, 42.8406, 15.8899



9.1235, 9.0598, 9.9976



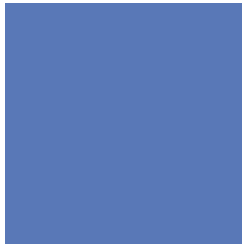
14.2275, 7.2648, 3.8188



0.5309, 0.2679, 0.2893

Previews

White Background



This preview shows how the XYZ color 19.3835, 18.9757, 47.4408 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 19.3835, 18.9757, 47.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

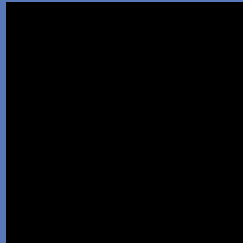
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

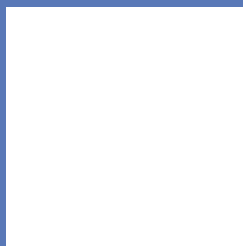
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3835, 18.9757, 47.4408

Background



This preview shows how black text looks on a background with the XYZ color 19.3835, 18.9757, 47.4408.

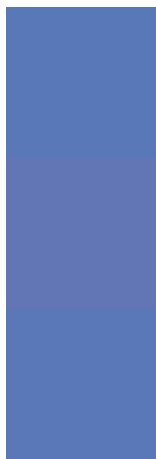


This preview shows how white text looks on a background with the XYZ color 19.3835, 18.9757,

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

19.3835, 18.9757, 47.4408

Protanopia

19.8559, 18.8897, 46.3156

Deuteranopia

19.4802, 19.0255, 47.4453



Tritanopia

15.3345, 19.0204, 27.2892

Trichromacy



Original Color

19.3835, 18.9757, 47.4408

Protanomaly

19.7596, 19.0039, 46.8827

Deuteranomaly

19.4802, 19.0255, 47.4453

Tritanomaly

16.6017, 18.9505, 33.7932

Monochromacy



Original Color

19.3835, 18.9757, 47.4408

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5427, 18.2724, 28.1935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3835, 18.9757, 47.4408 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(89, 120, 183)` looks like.

```
.text, #text, p{  
    color:rgb(89, 120, 183)  
}
```

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(89, 120, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 120, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.3835, 18.9757, 47.4408 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(89, 120, 183) }
```


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

```
.border{ border-color:rgb(89, 120, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 120, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 120, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 120, 183);  
box-shadow:4px 4px 4px 4px rgb(89, 120,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3835, 18.9757, 47.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 120, 183) }
```

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

```
.background{ background-color: rgb(89, 120,  
183) }
```

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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