

Converting Colors

XYZ(19.2486, 18.3881, 49.0728)

Have a look what the booklet for
XYZ(19.2486, 18.3881, 49.0728)
contains.

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Color

**XYZ(19.1547, 18.2940,
48.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	5775BA
RGB	87, 117, 186
RGB Percent	34%, 46%, 73%
CMY	0.6588, 0.5412, 0.2706
CMYK	0.53, 0.37, 0.00, 0.27
HSL	222°, 42%, 54%
HSV	222°, 53%, 73%
XYZ	19.1547, 18.2940, 48.9759
YIQ	115.8960, -40.0290, 15.0990

Conversions

Conversions Part 2

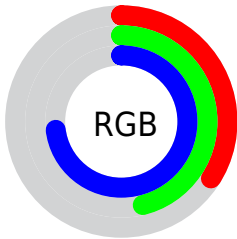
Format	Color
R _Y B	87, 110, 186
Decimal	5731770
CIE Lab	49.85, 9.31, -39.70
CIE LCh	50, 40.780, 283.190
Yxy	18.2940, 0.2216, 0.2117
Android (android.graphics.Color)	4283921850 (0xFF5775BA)
YUV	115.8960, 34.5613, -25.3418
Hunter-Lab	42.7715, 5.0890, -37.9505

Details

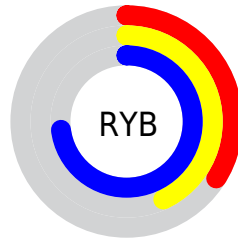
The XYZ color **19.1547, 18.2940, 48.9759** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8594, 34.9055, 13.9707**, and the grayscale version is **16.4756, 17.3337, 18.8764**.

A 20% lighter version of the original color is **41.6933, 40.6866, 90.4499**, and **6.6939, 6.1289, 22.6600** is the 20% darker color. If you saturate the color by 10%, you get **16.2293, 14.6970, 48.4362**, and if you desaturate by 10%, it is **22.7381, 22.5413, 49.6072**.

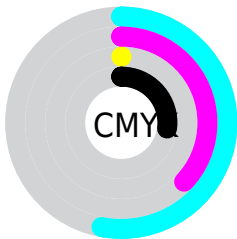
Distribution



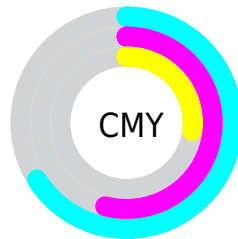
- Red (34%)
- Green (46%)
- Blue (73%)



- Red (34%)
- Yellow (43%)
- Blue (73%)



- Cyan (53%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (66%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1547, 18.2940, 48.9759 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 19.1547, 18.2940, 48.9759 by changing the saturation by 10% instead.

■ 19.1547, 18.2940,
48.9759

■ 19.1547, 18.2940,
48.9759

240.2232,
242.5230, 399.2672

■ 11.8868, 11.1613,
34.2349

■ 41.5102, 40.5377,
90.0363

■ 6.7383, 6.1754,
22.7953

■ 57.3285, 56.4174,
117.1927

■ 3.3438, 2.9520,
14.2385

■ 76.7276, 75.9815,
149.3247

■ 1.3381, 1.1067,
8.1461

■ 100.0729, 99.6146,
186.8509

■ 0.2115, 0.0000,
4.0995

127.7298,
127.7008, 230.1896

■ 0.0000, 0.0000,
1.6801

160.0636,

■ 0.0000, 0.0000,

160.6247, 279.7596

0.3470

197.4396,
198.7706, 335.9792

■ 0.0000, 0.0000,
0.0000

■ 19.1547, 18.2940,
48.9759

■ 19.1547, 18.2940,
48.9759

■ 16.2293, 14.6970,
48.4362

■ 22.7381, 22.5413,
49.6072

■ 13.9162, 11.7131,
47.9821

■ 27.0167, 27.4694,
50.3329

■ 12.1664, 9.3041,
47.6094

■ 32.0276, 33.1087,
51.1573

■ 10.9219, 7.4251,
47.3123

■ 37.8042, 39.4874,
52.0841

■ 10.2947, 6.4086,
47.1491

■ 44.3780, 46.6320,
53.1166

■ 51.7786, 54.5676,
54.2583

■ 60.0342, 63.3182,
55.5122

■ 69.1713, 72.9066,
56.8814

■ 79.2157, 83.3549,
58.3687

Harmonies

Analogous

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



15.3094, 18.2940, 48.3395



19.1547, 18.2940, 48.9759



23.0382, 18.2940, 40.0234

Triad

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



19.1547, 18.2940, 48.9759



23.4443, 18.2940, 8.5443



11.1552, 18.2940, 14.3344

Complementary

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



19.1547, 18.2940, 48.9759



33.8594, 34.9055, 13.9707

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.



12.7464, 18.2940, 8.0106



19.1547, 18.2940, 48.9759



19.6465, 18.2940, 5.6275

Square

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



19.1547, 18.2940, 48.9759



25.7529, 18.2940, 15.4118



15.7332, 18.2940, 5.4778



11.0643, 18.2940, 25.2291

Rectangle

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



19.1547, 18.2940, 48.9759



24.9711, 18.2940, 31.2526



15.7332, 18.2940, 5.4778



11.5201, 18.2940, 11.7220

Sweetspot

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



19.1554, 18.2946, 48.9764



65.1871, 67.9118, 93.8740



27.3772, 39.4994, 37.0385



13.8728, 14.4233, 20.5954



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.1554, 18.2946, 48.9764



28.5660, 25.5647, 87.6303



18.1154, 13.3749, 48.0816



8.7371, 9.1514, 11.3853



6.9846, 4.4288, 31.7398



0.3025, 0.2686, 1.1376

Inverse Universe

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



26.8694, 18.5407, 18.9927



44.4453, 27.4985, 25.5887



35.3964, 44.1148, 15.6672



9.1136, 9.0558, 9.9458



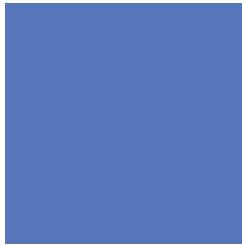
14.1392, 7.2294, 3.3537



0.5268, 0.2662, 0.2677

Previews

White Background



This preview shows how the XYZ color 19.1547, 18.2940, 48.9759 looks on a white background.

Color Contrast Check

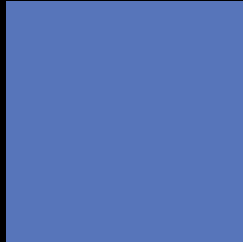
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.1547, 18.2940, 48.9759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

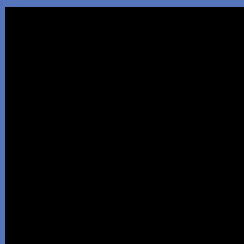
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

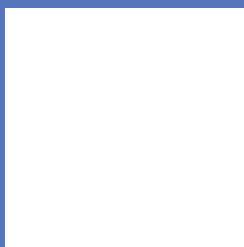
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1547, 18.2940, 48.9759

Background



This preview shows how black text looks on a background with the XYZ color 19.1547, 18.2940, 48.9759.

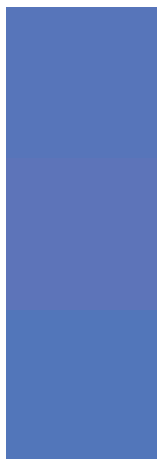


This preview shows how white text looks on a background with the XYZ color 19.1547, 18.2940,

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

19.1547, 18.2940, 48.9759

Protanopia

19.5165, 18.3207, 48.4066

Deuteranopia

18.8210, 18.2959, 48.9939



Tritanopia

14.6305, 18.2870, 26.4255

Trichromacy



Original Color

19.1547, 18.2940, 48.9759

Protanomaly

19.3167, 18.2177, 48.3972

Deuteranomaly

18.9975, 18.3869, 49.0021

Tritanomaly

15.9798, 18.0690, 33.6558

Monochromacy



Original Color

19.1547, 18.2940, 48.9759

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.8788, 17.4171, 27.6715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1547, 18.2940, 48.9759 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(87, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 186)  
}
```

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(87, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.1547, 18.2940, 48.9759 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(87, 117, 186) }
```


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

```
.border{ border-color:rgb(87, 117, 186) }
```

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

Here you see how a box with a 4 pixel rgb(87, 117, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 186);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1547, 18.2940, 48.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 186) }
```

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

```
.background{ background-color: rgb(87, 117,  
186) }
```

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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