

Converting Colors

XYZ(19.1686, 18.6873, 47.3965)

Have a look what the booklet for
XYZ(19.1686, 18.6873, 47.3965)
contains.

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Color

**XYZ(19.1686, 18.6873,
47.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	5877B7
RGB	88, 119, 183
RGB Percent	35%, 47%, 72%
CMY	0.6549, 0.5333, 0.2823
CMYK	0.52, 0.35, 0.00, 0.28
HSL	220°, 40%, 53%
HSV	220°, 52%, 72%
XYZ	19.1686, 18.6873, 47.3965
YIQ	117.0270, -39.0200, 13.3320

Conversions

Conversions Part 2

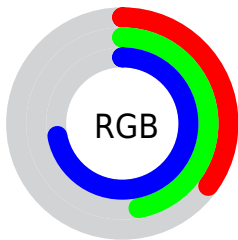
Format	Color
R _Y B	88, 111, 183
Decimal	5797815
CIE Lab	50.32, 7.36, -37.23
CIE LCh	50, 37.950, 281.177
Yxy	18.6873, 0.2248, 0.2192
Android (android.graphics.Color)	4283987895 (0xFF5877B7)
YUV	117.0270, 32.5247, -25.4567
Hunter-Lab	43.2288, 3.5004, -34.7460

Details

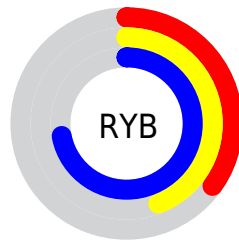
The XYZ color **19.1686, 18.6873, 47.3965** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.5190, 33.2296, 13.9335**, and the grayscale version is **16.8287, 17.7051, 19.2808**.

A 20% lighter version of the original color is **41.4706, 41.1975, 87.4275**, and **6.7614, 6.3651, 21.9913** is the 20% darker color. If you saturate the color by 10%, you get **16.2755, 15.1574, 46.8680**, and if you desaturate by 10%, it is **22.6882, 22.8234, 48.0097**.

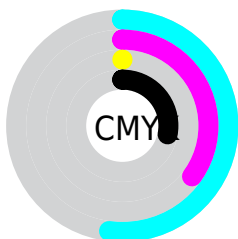
Distribution



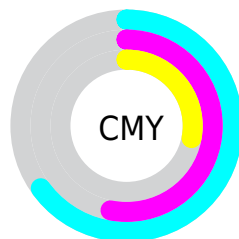
- Red (35%)
- Green (47%)
- Blue (72%)



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



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (28%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1686, 18.6873, 47.3965 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 19.1686, 18.6873, 47.3965 by changing the saturation by 10% instead.

■ 19.1686, 18.6873,
47.3965

■ 19.1686, 18.6873,
47.3965

240.2982,
244.7170, 392.8345

■ 11.8969, 11.4445,
32.9926

■ 41.5335, 41.2050,
87.6613

■ 6.7452, 6.3667,
21.8497

■ 57.3574, 57.2488,
114.3594

■ 3.3482, 3.0693,
13.5493

■ 76.7627, 76.9951,
145.9926

■ 1.3404, 1.1680,
7.6727

■ 100.1148,
100.8281, 182.9794

■ 0.2132, 0.0354,
3.8015

127.7790,
129.1325, 225.7385

■ 0.0000, 0.0000,
1.5171

160.1208,

■ 0.0000, 0.0000,

162.2925, 274.6884

0.2306

197.5054,
200.6925, 330.2475

■ 0.0000, 0.0000,
0.0000

■ 19.1686, 18.6873,
47.3965

■ 19.1686, 18.6873,
47.3965

■ 16.2755, 15.1574,
46.8680

■ 22.6882, 22.8234,
48.0097

■ 13.9664, 12.2001,
46.4189

■ 26.8689, 27.5927,
48.7099

■ 12.1963, 9.7809,
46.0452

■ 31.7450, 33.0230,
49.5011

■ 10.9118, 7.8601,
45.7422

■ 37.3478, 39.1397,
50.3864

■ 10.1482, 6.6207,
45.5432

■ 43.7065, 45.9667,
51.3690

■ 50.8489, 53.5267,
52.4518

■ 58.8011, 61.8416,
53.6376

■ 67.5881, 70.9320,
54.9291

■ 77.2339, 80.8179,
56.3289

Harmonies

Analogous

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



15.5757, 18.6873, 46.1785



19.1686, 18.6873, 47.3965



22.8382, 18.6873, 39.7228

Triad

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



19.1686, 18.6873, 47.3965



23.6360, 18.6873, 9.7110



11.8721, 18.6873, 14.4857

Complementary

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



19.1686, 18.6873, 47.3965



32.5190, 33.2296, 13.9335

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.



13.4994, 18.6873, 8.5905



19.1686, 18.6873, 47.3965



20.1433, 18.6873, 6.5644

Square

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



19.1686, 18.6873, 47.3965



25.6447, 18.6873, 16.6673



16.4254, 18.6873, 6.2410



11.6864, 18.6873, 24.5327

Rectangle

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



19.1686, 18.6873, 47.3965



24.7083, 18.6873, 31.7607



16.4254, 18.6873, 6.2410



12.2569, 18.6873, 12.0596

Sweetspot

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



19.1693, 18.6880, 47.3970



62.3563, 65.1743, 89.5291



26.5718, 38.1875, 35.3916



13.3209, 13.9015, 19.7028



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.



19.1693, 18.6880, 47.3970



28.6378, 26.5067, 83.8426



17.7274, 13.3324, 46.4392



8.7540, 9.1853, 11.3910



7.1359, 4.7315, 31.7902



0.3095, 0.2828, 1.1400

Inverse Universe

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



26.3486, 18.3795, 19.6122



43.2355, 27.2001, 27.0519



34.6672, 42.8057, 15.6687



9.1222, 9.0592, 9.9909



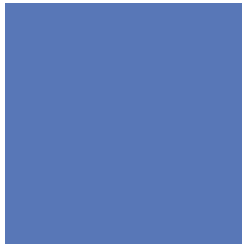
14.2156, 7.2600, 3.7559



0.5304, 0.2676, 0.2865

Previews

White Background



This preview shows how the XYZ color 19.1686, 18.6873, 47.3965 looks on a white background.

Color Contrast Check

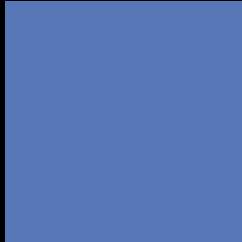
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1686, 18.6873, 47.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

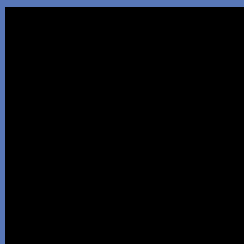
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

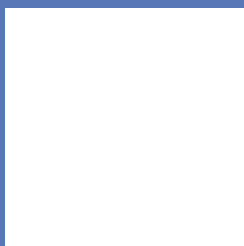
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1686, 18.6873, 47.3965

Background



This preview shows how black text looks on a background with the XYZ color 19.1686, 18.6873, 47.3965.

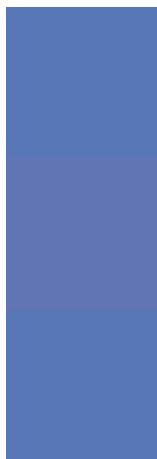


This preview shows how white text looks on a background with the XYZ color 19.1686, 18.6873,

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

19.1686, 18.6873, 47.3965

Protanopia

19.6315, 18.6002, 46.2716

Deuteranopia

19.1686, 18.6873, 47.3965



Tritanopia

15.0543, 18.6898, 26.8588

Trichromacy



Original Color

19.1686, 18.6873, 47.3965

Protanomaly

19.5380, 18.7139, 46.8384

Deuteranomaly

19.1686, 18.6873, 47.3965

Tritanomaly

16.3082, 18.6200, 33.3063

Monochromacy



Original Color

19.1686, 18.6873, 47.3965

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2300, 17.9441, 27.7547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1686, 18.6873, 47.3965 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(88, 119, 183)` looks like.

```
.text, #text, p{  
    color:rgb(88, 119, 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(88, 119, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 119, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.1686, 18.6873, 47.3965 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(88, 119, 183) }
```


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

```
.border{ border-color:rgb(88, 119, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 119, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 119, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 119, 183);  
box-shadow:4px 4px 4px 4px rgb(88, 119,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1686, 18.6873, 47.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 119, 183) }
```

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

```
.background{ background-color: rgb(88, 119,  
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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