

Converting Colors

XYZ(18.0996, 19.0811, 39.8962)

Have a look what the booklet for
XYZ(18.0996, 19.0811, 39.8962)
contains.

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Color

**XYZ(18.0813, 19.0193,
39.7639)**

Conversions

Conversions Part 1

Format	Color
Hex	577BA8
RGB	87, 123, 168
RGB Percent	34%, 48%, 66%
CMY	0.6588, 0.5176, 0.3412
CMYK	0.48, 0.27, 0.00, 0.34
HSL	213°, 32%, 50%
HSV	213°, 48%, 66%
XYZ	18.0813, 19.0193, 39.7639
YIQ	117.3660, -35.9010, 6.3630

Conversions

Conversions Part 2

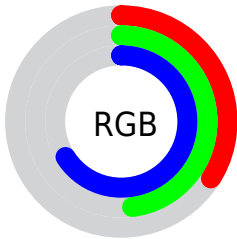
Format	Color
R _Y B	87, 112, 168
Decimal	5733288
CIE Lab	50.71, 0.02, -27.94
CIE LCh	51, 27.940, 270.044
Yxy	19.0193, 0.2352, 0.2474
Android (android.graphics.Color)	4283923368 (0xFF577BA8)
YUV	117.3660, 24.9626, -26.6310
Hunter-Lab	43.6111, -2.3128, -23.5319

Details

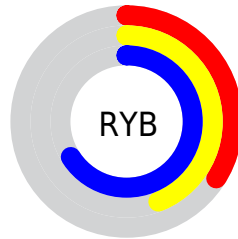
The XYZ color **18.0813, 19.0193, 39.7639** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.1206, 25.5162, 12.5660**, and the grayscale version is **16.9555, 17.8385, 19.4261**.

A 20% lighter version of the original color is **39.6338, 41.6504, 75.7624**, and **6.2641, 6.6002, 17.4668** is the 20% darker color. If you saturate the color by 10%, you get **15.5884, 16.0968, 39.3316**, and if you desaturate by 10%, it is **21.0509, 22.3521, 40.2510**.

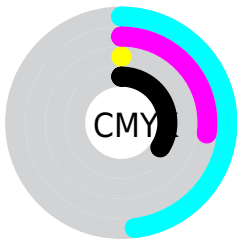
Distribution



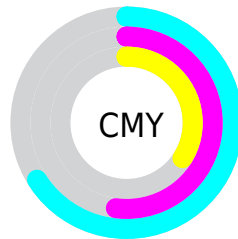
- Red (34%)
- Green (48%)
- Blue (66%)



- Red (34%)
- Yellow (44%)
- Blue (66%)



- Cyan (48%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (52%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0813, 19.0193, 39.7639 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 18.0813, 19.0193, 39.7639 by changing the saturation by 10% instead.

■ 18.0813, 19.0193,
39.7639

■ 18.0813, 19.0193,
39.7639

234.3656,
246.5553, 360.6499

■ 11.1084, 11.6842,
27.0421

■ 39.7048, 41.7667,
76.0370

■ 6.2076, 6.5290,
17.3721

■ 55.0861, 57.9478,
100.4254

■ 3.0136, 3.1694,
10.3354

■ 74.0010, 77.8464,
129.5398

■ 1.1610, 1.2208,
5.5134

■ 96.8147, 101.8469,
163.7986

■ 0.0752, 0.0786,
2.4876

123.8927,
130.3336, 203.6206

■ 0.0000, 0.0000,
0.8336

155.6003,

■ 0.0000, 0.0000,

163.6910, 249.4240

0.0000

192.3028,
202.3034, 301.6276

■ 18.0813, 19.0193,
39.7639

■ 18.0813, 19.0193,
39.7639

■ 15.5884, 16.0968,
39.3316

■ 21.0509, 22.3521,
40.2510

■ 13.5416, 13.5633,
38.9504

■ 24.5215, 26.1111,
40.7937

■ 11.9091, 11.3979,
38.6185

■ 28.5177, 30.3137,
41.3942

■ 10.6538, 9.5766,
38.3331

■ 33.0623, 34.9754,
42.0545

■ 9.7131, 8.0617,
38.0903

■ 38.1761, 40.1111,
42.7763

■ 9.5615, 7.8142,
38.0505

■ 43.8793, 45.7349,
43.5612

■ 50.1907, 51.8602,
44.4108

■ 57.1285, 58.5000,
45.3268

■ 64.7099, 65.6666,
46.3105

Harmonies

Analogous

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



15.5715, 19.0193, 36.7298



18.0813, 19.0193, 39.7639



20.8460, 19.0193, 36.7129

Triad

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



18.0813, 19.0193, 39.7639



23.0334, 19.0193, 14.0345



13.8852, 19.0193, 14.0499

Complementary

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



18.0813, 19.0193, 39.7639



26.1206, 25.5162, 12.5660

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.



15.5652, 19.0193, 10.1991



18.0813, 19.0193, 39.7639



20.8384, 19.0193, 10.1920

Square

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



18.0813, 19.0193, 39.7639



23.8756, 19.0193, 20.6973



18.0732, 19.0193, 8.9861



13.3030, 19.0193, 20.7203

Rectangle

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



18.0813, 19.0193, 39.7639



22.4250, 19.0193, 31.9916



18.0732, 19.0193, 8.9861



14.3313, 19.0193, 12.4501

Sweetspot

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



18.0820, 19.0200, 39.7644



54.8901, 58.2531, 75.5760



22.0678, 31.6856, 26.6222



11.6005, 12.3223, 16.4192



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.0820, 19.0200, 39.7644



27.9400, 28.7911, 71.3097



14.7961, 11.8710, 38.5576



7.3960, 7.8288, 9.5397



7.2700, 6.0003, 28.7505



0.2283, 0.2488, 0.7166

Inverse Universe

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



23.1324, 16.5720, 20.7191



38.5359, 24.9376, 31.0642



31.0229, 36.5810, 14.4433



7.6645, 7.5956, 8.5503



13.1702, 6.6768, 5.7077



0.3464, 0.1728, 0.2755

Previews

White Background



This preview shows how the XYZ color 18.0813, 19.0193, 39.7639 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 18.0813, 19.0193, 39.7639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

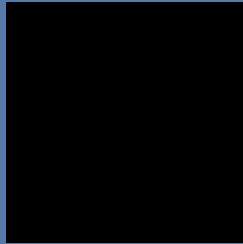
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0813, 19.0193, 39.7639

Background



This preview shows how black text looks on a background with the XYZ color 18.0813, 19.0193, 39.7639.

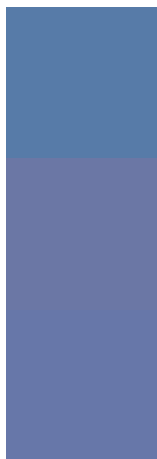


This preview shows how white text looks on a background with the XYZ color 18.0813, 19.0193,

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

18.0813, 19.0193, 39.7639

Protanopia

19.4518, 19.0361, 38.2464

Deuteranopia

19.3518, 18.9418, 40.1723



Tritanopia

15.5213, 18.9221, 27.2604

Trichromacy



Original Color

18.0813, 19.0193, 39.7639

Protanomaly

18.8549, 18.8954, 38.7298

Deuteranomaly

18.8077, 18.8389, 40.1811

Tritanomaly

16.3592, 18.8730, 31.6348

Monochromacy



Original Color

18.0813, 19.0193, 39.7639

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9846, 18.0354, 25.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0813, 19.0193, 39.7639 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, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 123, 168)  
}
```

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, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 123, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.0813, 19.0193, 39.7639 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, 123, 168) }
```


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

```
.border{ border-color:rgb(87, 123, 168) }
```

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

Here you see how a box with a 4 pixel rgb(87, 123, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 123, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 123, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 123,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0813, 19.0193, 39.7639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 123, 168) }
```

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

```
.background{ background-color: rgb(87, 123,  
168) }
```

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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