

Converting Colors

XYZ(18.5448, 19.9426, 40.0807)

Have a look what the booklet for
XYZ(18.5448, 19.9426, 40.0807)
contains.

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Color

**XYZ(18.5877, 20.0321,
39.9327)**

Conversions

Conversions Part 1

Format	Color
Hex	577FA8
RGB	87, 127, 168
RGB Percent	34%, 50%, 66%
CMY	0.6588, 0.5020, 0.3412
CMYK	0.48, 0.24, 0.00, 0.34
HSL	210°, 32%, 50%
HSV	210°, 48%, 66%
XYZ	18.5877, 20.0321, 39.9327
YIQ	119.7140, -37.0010, 4.2710

Conversions

Conversions Part 2

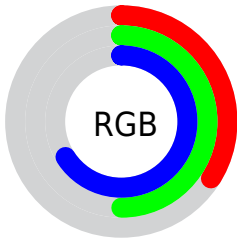
Format	Color
R _Y B	87, 114, 168
Decimal	5734312
CIE Lab	51.87, -2.33, -26.14
CIE LCh	52, 26.240, 264.895
Yxy	20.0321, 0.2366, 0.2550
Android (android.graphics.Color)	4283924392 (0xFF577FA8)
YUV	119.7140, 23.8050, -28.6902
Hunter-Lab	44.7572, -4.1940, -21.5689

Details

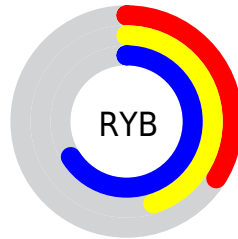
The XYZ color **18.5877, 20.0321, 39.9327** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.5885, 24.4520, 12.3886**, and the grayscale version is **17.6968, 18.6185, 20.2755**.

A 20% lighter version of the original color is **40.6250, 43.6329, 76.0929**, and **6.4724, 7.0168, 17.5362** is the 20% darker color. If you saturate the color by 10%, you get **16.1457, 17.2114, 39.5173**, and if you desaturate by 10%, it is **21.4888, 23.2279, 40.3970**.

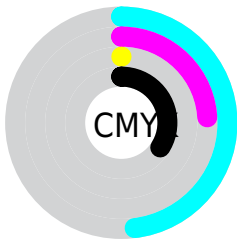
Distribution



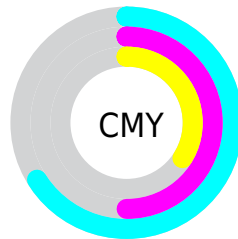
- Red (34%)
- Green (50%)
- Blue (66%)



- Red (34%)
- Yellow (45%)
- Blue (66%)



- Cyan (48%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5877, 20.0321, 39.9327 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 18.5877, 20.0321, 39.9327 by changing the saturation by 10% instead.

■ 18.5877, 20.0321,
39.9327

■ 18.5877, 20.0321,
39.9327

237.1451,
252.0888, 361.3835

■ 11.4750, 12.4184,
27.1727

■ 40.5585, 43.4710,
76.2970

■ 6.4569, 7.0293,
17.4694

■ 56.1473, 60.0650,
100.7383

■ 3.1681, 3.4804,
10.4042

■ 75.2922, 80.4211,
129.9106

■ 1.2433, 1.3874,
5.5587

■ 98.3585, 104.9239,
164.2322

■ 0.1401, 0.2074,
2.5142

125.7116,
133.9577, 204.1217

■ 0.0000, 0.0000,
0.8477

157.7168,

■ 0.0000, 0.0000,

167.9068, 249.9978

0.0000

194.7396,
207.1557, 302.2789

■ 18.5877, 20.0321,
39.9327

■ 18.5877, 20.0321,
39.9327

■ 16.1457, 17.2114,
39.5173

■ 21.4888, 23.2279,
40.3970

■ 14.1328, 14.7457,
39.1475

■ 24.8724, 26.8129,
40.9107

■ 12.5182, 12.6161,
38.8215

■ 28.7625, 30.8032,
41.4758

■ 11.2657, 10.8003,
38.5371

■ 33.1810, 35.2129,
42.0941

■ 10.3135, 9.2625,
38.2904

■ 38.1484, 40.0556,
42.7670

■ 10.1584, 9.0081,
38.2495

■ 43.6840, 45.3442,
43.4961

■ 49.8061, 51.0909,
44.2826

■ 56.5322, 57.3074,
45.1280

■ 63.8791, 64.0051,
46.0336

Harmonies

Analogous

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



16.2431, 20.0321, 36.1517



18.5877, 20.0321, 39.9327



21.2790, 20.0321, 38.0111

Triad

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



18.5877, 20.0321, 39.9327



24.0754, 20.0321, 16.1997



15.1486, 20.0321, 14.4151

Complementary

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



18.5877, 20.0321, 39.9327



25.5885, 24.4520, 12.3886

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.



16.9637, 20.0321, 11.0260



18.5877, 20.0321, 39.9327



22.1407, 20.0321, 11.8753

Square

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



18.5877, 20.0321, 39.9327



24.6122, 20.0321, 23.1433



19.4994, 20.0321, 10.2183



14.3793, 20.0321, 20.5319

Rectangle

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



18.5877, 20.0321, 39.9327



22.8897, 20.0321, 33.9439



19.4994, 20.0321, 10.2183



15.6480, 20.0321, 12.9812

Sweetspot

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



18.5884, 20.0328, 39.9332



55.2481, 58.9692, 75.6954



21.7972, 31.5774, 25.1969



11.6886, 12.4984, 16.4485



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.



18.5884, 20.0328, 39.9332



28.9576, 30.8264, 71.6489



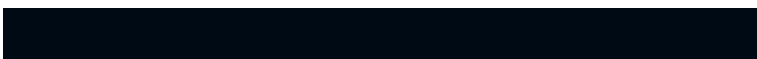
14.4072, 11.6705, 38.5395



7.4262, 7.8894, 9.5497



7.7223, 6.9049, 28.9013



0.2392, 0.2706, 0.7203

Inverse Universe

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



23.3880, 16.6742, 22.0651



39.0496, 25.1431, 33.7691



31.8718, 37.0186, 14.4830



7.6797, 7.6018, 8.6307



13.3985, 6.7681, 6.9099



0.3519, 0.1750, 0.3045

Previews

White Background



This preview shows how the XYZ color 18.5877, 20.0321, 39.9327 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 18.5877, 20.0321, 39.9327 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

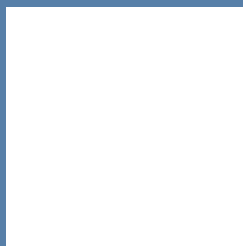
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5877, 20.0321, 39.9327

Background



This preview shows how black text looks on a background with the XYZ color 18.5877, 20.0321, 39.9327.

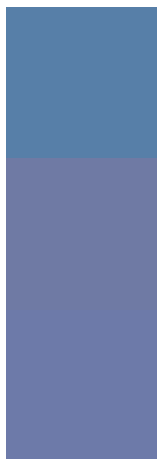


This preview shows how white text looks on a background with the XYZ color 18.5877, 20.0321,

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

18.5877, 20.0321, 39.9327

Protanopia

20.2159, 19.9789, 37.9128

Deuteranopia

20.4276, 20.0348, 40.3266



Tritanopia

16.3582, 20.1178, 28.6121

Trichromacy



Original Color

18.5877, 20.0321, 39.9327

Protanomaly

19.4787, 19.9567, 38.4227

Deuteranomaly

19.7359, 20.0466, 40.3653

Tritanomaly

17.0482, 19.9935, 32.2387

Monochromacy



Original Color

18.5877, 20.0321, 39.9327

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7827, 19.1602, 26.4280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5877, 20.0321, 39.9327 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, 127, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 127, 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, 127, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.5877, 20.0321, 39.9327 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, 127, 168) }
```


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

```
.border{ border-color:rgb(87, 127, 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, 127, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 127, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 127, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 127,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5877, 20.0321, 39.9327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 127, 168) }
```

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

```
.background{ background-color: rgb(87, 127,  
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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