

Converting Colors

XYZ(18.5694, 20.1173, 38.8901)

Have a look what the booklet for
XYZ(18.5694, 20.1173, 38.8901)
contains.

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Color

**XYZ(18.4968, 20.0066,
38.9632)**

Conversions

Conversions Part 1

Format	Color
Hex	587FA6
RGB	88, 127, 166
RGB Percent	35%, 50%, 65%
CMY	0.6549, 0.5020, 0.3490
CMYK	0.47, 0.23, 0.00, 0.35
HSL	210°, 31%, 50%
HSV	210°, 47%, 65%
XYZ	18.4968, 20.0066, 38.9632
YIQ	119.7850, -35.7630, 3.8610

Conversions

Conversions Part 2

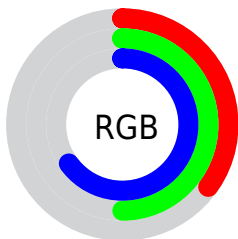
Format	Color
R _Y B	88, 114, 166
Decimal	5799846
CIE Lab	51.84, -2.68, -25.02
CIE LCh	52, 25.161, 263.876
Yxy	20.0066, 0.2388, 0.2583
Android (android.graphics.Color)	4283989926 (0xFF587FA6)
YUV	119.7850, 22.7840, -27.8754
Hunter-Lab	44.7287, -4.4597, -20.3374

Details

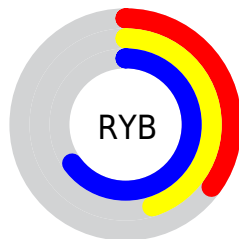
The XYZ color **18.4968, 20.0066, 38.9632** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.0773, 23.9911, 12.5423**, and the grayscale version is **17.7223, 18.6453, 20.3047**.

A 20% lighter version of the original color is **40.5277, 43.6138, 74.6889**, and **6.4213, 7.0038, 16.9330** is the 20% darker color. If you saturate the color by 10%, you get **16.0726, 17.2309, 38.5556**, and if you desaturate by 10%, it is **21.3684, 23.1449, 39.4180**.

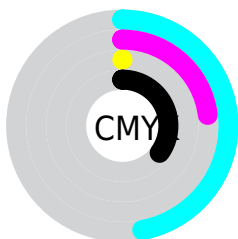
Distribution



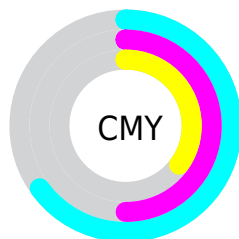
- Red (35%)
- Green (50%)
- Blue (65%)



- Red (35%)
- Yellow (45%)
- Blue (65%)



- Cyan (47%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4968, 20.0066, 38.9632 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 18.4968, 20.0066, 38.9632 by changing the saturation by 10% instead.

■ 18.4968, 20.0066,
38.9632

■ 18.4968, 20.0066,
38.9632

236.6484,
251.9508, 357.1553

■ 11.4091, 12.3998,
26.4235

■ 40.4055, 43.4282,
74.8018

■ 6.4120, 7.0166,
16.9121

■ 55.9573, 60.0119,
98.9378

■ 3.1402, 3.4725,
10.0106

■ 75.0611, 80.3567,
127.7763

■ 1.2283, 1.3831,
5.3003

■ 98.0823, 104.8470,
161.7358

■ 0.1286, 0.2042,
2.3627

125.3863,
133.8671, 201.2350

■ 0.0000, 0.0000,
0.7660

157.3384,

■ 0.0000, 0.0000,

167.8016, 246.6922

0.0000

194.3039,
207.0347, 298.5262

■ 18.4968, 20.0066,
38.9632

■ 18.4968, 20.0066,
38.9632

■ 16.0726, 17.2309,
38.5556

■ 21.3684, 23.1449,
39.4180

■ 14.0672, 14.7987,
38.1918

■ 24.7098, 26.6591,
39.9202

■ 12.4512, 12.6919,
37.8703

■ 28.5442, 30.5645,
40.4719

■ 11.1903, 10.8895,
37.5889

■ 32.8923, 34.8747,
41.0747

■ 10.2338, 9.3618,
37.3444

■ 37.7740, 39.6027,
41.7300

■ 9.9763, 8.9397,
37.2765

■ 43.2078, 44.7606,
42.4392

■ 49.2112, 50.3603,
43.2036

■ 55.8013, 56.4128,
44.0245

■ 62.9940, 62.9291,
44.9032

Harmonies

Analogous

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



16.2663, 20.0066, 35.2254



18.4968, 20.0066, 38.9632



21.0723, 20.0066, 37.3322

Triad

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



18.4968, 20.0066, 38.9632



23.8664, 20.0066, 16.5751



15.3201, 20.0066, 14.5030

Complementary

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



18.4968, 20.0066, 38.9632



25.0773, 23.9911, 12.5423

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.



17.0974, 20.0066, 11.2921



18.4968, 20.0066, 38.9632



22.0586, 20.0066, 12.2878

Square

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



18.4968, 20.0066, 38.9632



24.3255, 20.0066, 23.3182



19.5442, 20.0066, 10.5830



14.5409, 20.0066, 20.3182

Rectangle

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



18.4968, 20.0066, 38.9632



22.6245, 20.0066, 33.5693



19.5442, 20.0066, 10.5830



15.8125, 20.0066, 13.1407

Sweetspot

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



18.4975, 20.0073, 38.9637



53.8616, 57.5297, 73.7408



21.4921, 30.8800, 24.9071



11.6996, 12.5205, 16.4522



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.



18.4975, 20.0073, 38.9637



29.1482, 31.2465, 69.9702



14.3979, 11.8081, 37.5971



7.4300, 7.8970, 9.5510



7.7828, 7.0258, 28.9214



0.2406, 0.2734, 0.7207

Inverse Universe

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



23.0470, 16.6195, 22.0725



38.6724, 25.3670, 34.3371



31.1240, 36.0845, 14.5579



7.6817, 7.6025, 8.6408



13.4290, 6.7803, 7.0706



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 18.4968, 20.0066, 38.9632 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 18.4968, 20.0066, 38.9632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

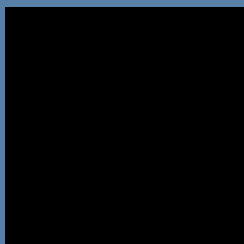
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

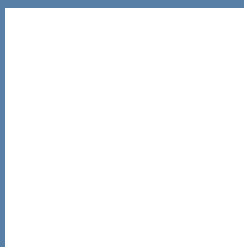
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4968, 20.0066, 38.9632

Background



This preview shows how black text looks on a background with the XYZ color 18.4968, 20.0066, 38.9632.

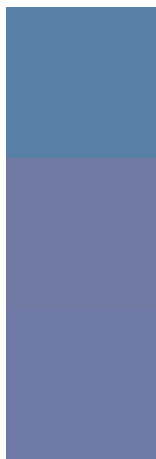


This preview shows how white text looks on a background with the XYZ color 18.4968, 20.0066,

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

18.4968, 20.0066, 38.9632

Protanopia

20.1632, 19.9724, 36.9748

Deuteranopia

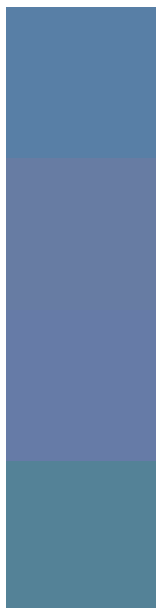
20.2428, 19.7798, 39.3102



Tritanopia

16.3921, 19.9349, 28.5751

Trichromacy



Original Color

18.4968, 20.0066, 38.9632

Protanomaly

19.4120, 19.9432, 37.4766

Deuteranomaly

19.5375, 19.7807, 39.3475

Tritanomaly

17.2247, 20.0844, 32.2470

Monochromacy



Original Color

18.4968, 20.0066, 38.9632

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 18.4968, 20.0066, 38.9632 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, 127, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 127, 166)  
}
```

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, 127, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 127, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.4968, 20.0066, 38.9632 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, 127, 166) }
```


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

```
.border{ border-color:rgb(88, 127, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 127, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 127, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 127, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 127,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4968, 20.0066, 38.9632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 127, 166) }
```

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

```
.background{ background-color: rgb(88, 127,  
166) }
```

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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