

Converting Colors

XYZ(19.7680, 20.2707, 38.5170)

Have a look what the booklet for
XYZ(19.7680, 20.2707, 38.5170)
contains.

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Color

**XYZ(19.7187, 20.2674,
38.4700)**

Conversions

Conversions Part 1

Format	Color
Hex	677DA5
RGB	103, 125, 165
RGB Percent	40%, 49%, 65%
CMY	0.5961, 0.5098, 0.3529
CMYK	0.38, 0.24, 0.00, 0.35
HSL	219°, 26%, 53%
HSV	219°, 38%, 65%
XYZ	19.7187, 20.2674, 38.4700
YIQ	122.9820, -25.9520, 7.7760

Conversions

Conversions Part 2

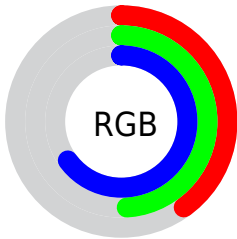
Format	Color
R _Y B	103, 119, 165
Decimal	6782373
CIE Lab	52.14, 2.30, -23.91
CIE LCh	52, 24.020, 275.483
Yxy	20.2674, 0.2513, 0.2583
Android (android.graphics.Color)	4284972453 (0xFF677DA5)
YUV	122.9820, 20.7149, -17.5242
Hunter-Lab	45.0193, -0.5999, -19.1511

Details

The XYZ color **19.7187, 20.2674, 38.4700** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7883, 28.6242, 16.8932**, and the grayscale version is **18.7614, 19.7384, 21.4951**.

A 20% lighter version of the original color is **42.3507, 43.6795, 73.9090**, and **6.9813, 7.0912, 16.6236** is the 20% darker color. If you saturate the color by 10%, you get **16.7335, 16.8344, 37.9651**, and if you desaturate by 10%, it is **23.2232, 24.1835, 39.0415**.

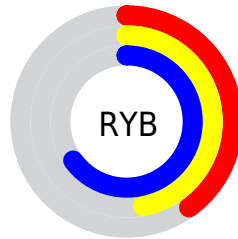
Distribution



Red (40%)

Green (49%)

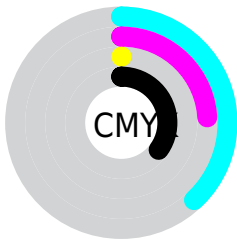
Blue (65%)



Red (40%)

Yellow (47%)

Blue (65%)

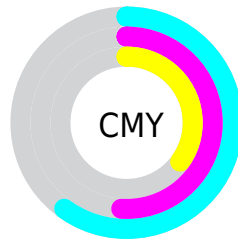


Cyan (38%)

Magenta (24%)

Yellow (0%)

Black (35%)



Cyan (60%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7187, 20.2674, 38.4700 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 19.7187, 20.2674, 38.4700 by changing the saturation by 10% instead.

■ 19.7187, 20.2674,
38.4700

■ 19.7187, 20.2674,
38.4700

243.2509,
253.3590, 354.9903

■ 12.2978, 12.5896,
26.0430

■ 42.4526, 43.8650,
74.0394

■ 7.0205, 7.1465,
16.6298

■ 58.4963, 60.5536,
98.0188

■ 3.5214, 3.5539,
9.8117

■ 78.1450, 81.0146,
126.6861

■ 1.4351, 1.4273,
5.1703

■ 101.7641,
105.6324, 160.4599

■ 0.2810, 0.2367,
2.2871

129.7189,
134.7913, 199.7587

■ 0.0000, 0.0000,
0.7240

162.3747,

■ 0.0000, 0.0000,

168.8758, 245.0010

0.0000

200.0969,
208.2703, 296.6054

■ 19.7187, 20.2674,
38.4700

■ 19.7187, 20.2674,
38.4700

■ 16.7335, 16.8344,
37.9651

■ 23.2232, 24.1835,
39.0415

■ 14.2389, 13.8615,
37.5227

■ 27.2695, 28.5993,
39.6806

■ 12.2066, 11.3276,
37.1407

■ 31.8814, 33.5337,
40.3900

■ 10.6038, 9.2083,
36.8162

■ 37.0803, 39.0036,
41.1718

■ 9.3933, 7.4765,
36.5457

■ 42.8868, 45.0254,
42.0281

■ 8.5174, 6.0939,
36.3250

■ 49.3201, 51.6146,
42.9608

■ 8.3324, 5.7983,
36.2777

■ 56.3989, 58.7859,
43.9719

■ 64.1409, 66.5537,
45.0632

■ 72.5632, 74.9319,
46.2365

Harmonies

Analogous

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



17.3681, 20.2674, 36.8163



19.7187, 20.2674, 38.4700



22.1393, 20.2674, 35.0267

Triad

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



19.7187, 20.2674, 38.4700



23.3741, 20.2674, 15.1063



15.2754, 20.2674, 16.9139

Complementary

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



19.7187, 20.2674, 38.4700



27.7883, 28.6242, 16.8932

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.



16.6483, 20.2674, 12.7789



19.7187, 20.2674, 38.4700



21.2921, 20.2674, 11.9012

Square

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



19.7187, 20.2674, 38.4700



24.3617, 20.2674, 20.7995



18.8155, 20.2674, 11.1500



14.9315, 20.2674, 23.3866

Rectangle

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



19.7187, 20.2674, 38.4700



23.4262, 20.2674, 30.6608



18.8155, 20.2674, 11.1500



15.6258, 20.2674, 15.2520

Sweetspot

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



19.7194, 20.2682, 38.4705



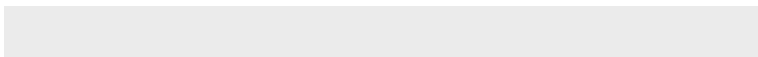
53.9812, 56.7410, 71.8593



23.9518, 31.7553, 30.5639



11.5699, 12.1574, 15.6743



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.7194, 20.2682, 38.4705



30.8389, 31.1641, 68.1422



18.2317, 15.8148, 37.6893



6.8965, 7.2521, 8.9394



6.3470, 4.4734, 27.4587



0.1767, 0.1807, 0.5914

Inverse Universe

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



24.0696, 19.1813, 21.8365



39.9146, 29.5058, 33.3027



29.7565, 35.0313, 18.0262



7.1727, 7.1256, 7.8961



12.3491, 6.2957, 3.7632



0.2814, 0.1410, 0.1943

Previews

White Background



This preview shows how the XYZ color 19.7187, 20.2674, 38.4700 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 19.7187, 20.2674, 38.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

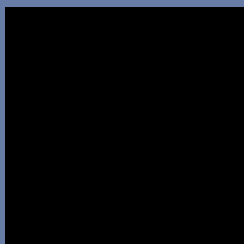
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

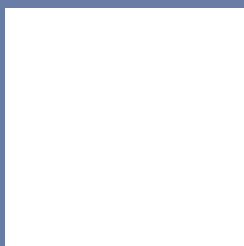
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7187, 20.2674, 38.4700

Background



This preview shows how black text looks on a background with the XYZ color 19.7187, 20.2674, 38.4700.

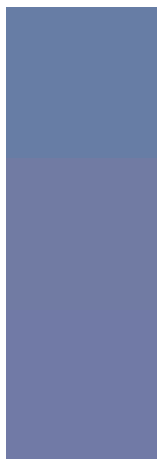


This preview shows how white text looks on a background with the XYZ color 19.7187, 20.2674,

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

19.7187, 20.2674, 38.4700

Protanopia

20.5039, 20.3210, 37.4920

Deuteranopia

20.6525, 20.1830, 38.8836



Tritanopia

17.6460, 20.4001, 27.8185

Trichromacy



Original Color

19.7187, 20.2674, 38.4700

Protanomaly

20.2152, 20.3468, 37.9838

Deuteranomaly

20.2726, 20.1703, 38.9012

Tritanomaly

18.2896, 20.2609, 31.3806

Monochromacy



Original Color

19.7187, 20.2674, 38.4700

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9976, 19.9633, 26.8968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7187, 20.2674, 38.4700 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(103, 125, 165)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 165)  
}
```

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(103, 125, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.7187, 20.2674, 38.4700 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(103, 125, 165) }
```


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

```
.border{ border-color:rgb(103, 125, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 165);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7187, 20.2674, 38.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 165) }
```

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

```
.background{ background-color: rgb(103,  
125, 165) }
```

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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