

Converting Colors

XYZ(19.0001, 19.3078, 38.6818)

Have a look what the booklet for
XYZ(19.0001, 19.3078, 38.6818)
contains.

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Color

**XYZ(18.9881, 19.3249,
38.8057)**

Conversions

Conversions Part 1

Format	Color
Hex	637AA6
RGB	99, 122, 166
RGB Percent	39%, 48%, 65%
CMY	0.6118, 0.5216, 0.3490
CMYK	0.40, 0.27, 0.00, 0.35
HSL	219°, 27%, 52%
HSV	219°, 40%, 65%
XYZ	18.9881, 19.3249, 38.8057
YIQ	120.1390, -27.8320, 8.8080

Conversions

Conversions Part 2

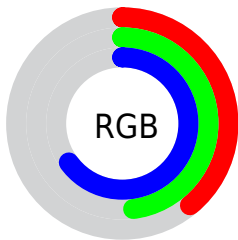
Format	Color
R _Y B	99, 116, 166
Decimal	6519462
CIE Lab	51.07, 3.22, -26.17
CIE LCh	51, 26.367, 277.011
Yxy	19.3249, 0.2462, 0.2506
Android (android.graphics.Color)	4284709542 (0xFF637AA6)
YUV	120.1390, 22.6095, -18.5389
Hunter-Lab	43.9601, 0.1710, -21.5661

Details

The XYZ color **18.9881, 19.3249, 38.8057** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8011, 28.6535, 15.8706**, and the grayscale version is **17.8339, 18.7627, 20.4326**.

A 20% lighter version of the original color is **41.1361, 42.1680, 74.3777**, and **6.7050, 6.7408, 16.8673** is the 20% darker color. If you saturate the color by 10%, you get **16.0933, 15.9560, 38.3084**, and if you desaturate by 10%, it is **22.4072, 23.1878, 39.3715**.

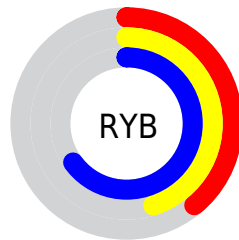
Distribution



Red (39%)

Green (48%)

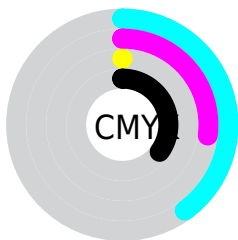
Blue (65%)



Red (39%)

Yellow (45%)

Blue (65%)

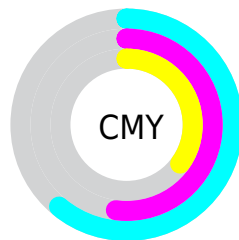


Cyan (40%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (61%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9881, 19.3249, 38.8057 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 18.9881, 19.3249, 38.8057 by changing the saturation by 10% instead.

■ 18.9881, 19.3249,
38.8057

■ 18.9881, 19.3249,
38.8057

239.3224,
248.2366, 356.4650

■ 11.7656, 11.9053,
26.3019

■ 41.2310, 42.2824,
74.5585

■ 6.6554, 6.6792,
16.8219

■ 56.9822, 58.5890,
98.6446

■ 3.2919, 3.2623,
9.9470

■ 76.3070, 78.6268,
127.4285

■ 1.3100, 1.2702,
5.2587

■ 99.5707, 102.7801,
161.3288

■ 0.1906, 0.1179,
2.3384

127.1388,
131.4334, 200.7641

■ 0.0000, 0.0000,
0.7526

159.3765,

■ 0.0000, 0.0000,

164.9709, 246.1529

0.0000

196.6493,
203.7772, 297.9136

■ 18.9881, 19.3249,
38.8057

■ 18.9881, 19.3249,
38.8057

■ 16.0933, 15.9560,
38.3084

■ 22.4072, 23.1878,
39.3715

■ 13.6928, 13.0572,
37.8754

■ 26.3744, 27.5628,
40.0068

■ 11.7566, 10.6056,
37.5042

■ 30.9143, 32.4696,
40.7147

■ 10.2502, 8.5752,
37.1917

■ 36.0493, 37.9263,
41.4972

■ 9.1334, 6.9367,
36.9343

■ 41.8009, 43.9499,
42.3568

■ 8.3454, 5.6779,
36.7329

■ 48.1890, 50.5569,
43.2954

■ 55.2331, 57.7628,
44.3150

■ 62.9514, 65.5828,
45.4176

■ 71.3617, 74.0313,
46.6051

Harmonies

Analogous

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



16.4739, 19.3249, 37.2691



18.9881, 19.3249, 38.8057



21.5625, 19.3249, 34.7557

Triad

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



18.9881, 19.3249, 38.8057



22.6806, 19.3249, 13.5115



14.1184, 19.3249, 15.9056

Complementary

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



18.9881, 19.3249, 38.8057



27.8011, 28.6535, 15.8706

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.



15.5052, 19.3249, 11.5133



18.9881, 19.3249, 38.8057



20.4014, 19.3249, 10.3774

Square

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



18.9881, 19.3249, 38.8057



23.8215, 19.3249, 19.3329



17.7610, 19.3249, 9.7443



13.8172, 19.3249, 22.8479

Rectangle

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



18.9881, 19.3249, 38.8057



22.9143, 19.3249, 29.8923



17.7610, 19.3249, 9.7443



14.4663, 19.3249, 14.1369

Sweetspot

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



18.9888, 19.3256, 38.8062



54.4900, 57.1947, 73.6430



23.7063, 31.8952, 30.7158



11.9582, 12.5455, 16.4434



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.



18.9888, 19.3256, 38.8062



29.9213, 29.8015, 69.6505



17.6584, 14.9321, 38.0282



7.3345, 7.7059, 9.5192



6.5112, 4.4826, 28.4975



0.2059, 0.2040, 0.7092

Inverse Universe

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



23.7012, 18.4366, 20.7225



39.7928, 28.6107, 31.6186



29.5895, 35.2367, 17.0471



7.6334, 7.5832, 8.3869



12.7872, 6.5236, 3.6908



0.3351, 0.1683, 0.2159

Previews

White Background



This preview shows how the XYZ color 18.9881, 19.3249, 38.8057 looks on a white background.

Color Contrast Check

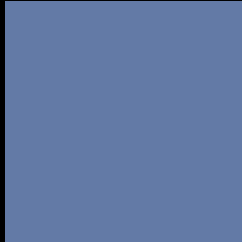
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9881, 19.3249, 38.8057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

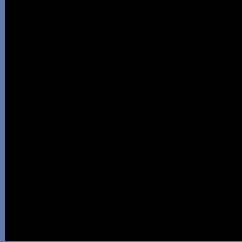
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

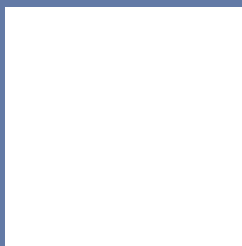
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9881, 19.3249, 38.8057

Background



This preview shows how black text looks on a background with the XYZ color 18.9881, 19.3249, 38.8057.



This preview shows how white text looks on a background with the XYZ color 18.9881, 19.3249,

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

18.9881, 19.3249, 38.8057

Protanopia

19.7240, 19.3645, 37.8201

Deuteranopia

19.6628, 19.3119, 38.7676



Tritanopia

16.5904, 19.2890, 26.8935

Trichromacy



Original Color

18.9881, 19.3249, 38.8057

Protanomaly

19.4546, 19.3946, 38.3155

Deuteranomaly

19.4292, 19.3710, 38.7913

Tritanomaly

17.3982, 19.2382, 30.8133

Monochromacy



Original Color

18.9881, 19.3249, 38.8057

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0348, 18.9256, 26.3694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9881, 19.3249, 38.8057 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(99, 122, 166)` looks like.

```
.text, #text, p{  
    color:rgb(99, 122, 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(99, 122, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 122, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.9881, 19.3249, 38.8057 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(99, 122, 166) }
```


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

```
.border{ border-color:rgb(99, 122, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 122, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 122, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 122, 166);  
box-shadow:4px 4px 4px 4px rgb(99, 122,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9881, 19.3249, 38.8057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 122, 166) }
```

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

```
.background{ background-color: rgb(99, 122,  
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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