

Converting Colors

XYZ(19.0143, 16.1752, 38.0762)

Have a look what the booklet for
XYZ(19.0143, 16.1752, 38.0762)
contains.

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Color

**XYZ(19.0693, 16.2356,
38.2051)**

Conversions

Conversions Part 1

Format	Color
Hex	7567A6
RGB	117, 103, 166
RGB Percent	46%, 40%, 65%
CMY	0.5412, 0.5961, 0.3490
CMYK	0.30, 0.38, 0.00, 0.35
HSL	253°, 26%, 53%
HSV	253°, 38%, 65%
XYZ	19.0693, 16.2356, 38.2051
YIQ	114.3680, -11.8790, 22.5610

Conversions

Conversions Part 2

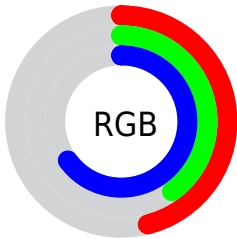
Format	Color
R_{YB}	117, 103, 166
Decimal	7694246
CIE _{Lab}	47.28, 19.94, -31.96
CIE _{LCh}	47, 37.668, 301.964
Yxy	16.2356, 0.2594, 0.2209
Android (android.graphics.Color)	4285884326 (0xFF7567A6)
YUV	114.3680, 25.4546, 2.3083
Hunter-Lab	40.2934, 13.9636, -28.0117

Details

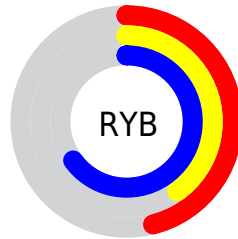
The XYZ color **19.0693, 16.2356, 38.2051** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.0337, 34.9274, 18.0440**, and the grayscale version is **16.0337, 16.8687, 18.3700**.

A 20% lighter version of the original color is **41.1843, 36.8777, 73.3541**, and **6.6982, 5.2015, 16.5705** is the 20% darker color. If you saturate the color by 10%, you get **15.9625, 12.4217, 37.6330**, and if you desaturate by 10%, it is **22.7444, 20.8297, 38.8984**.

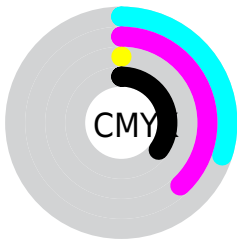
Distribution



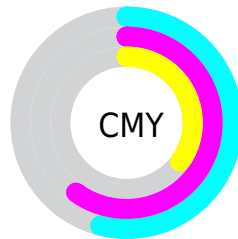
- Red (46%)
- Green (40%)
- Blue (65%)



- Red (46%)
- Yellow (40%)
- Blue (65%)



- Cyan (30%)
- Magenta (38%)
- Yellow (0%)
- Black (35%)



- Cyan (54%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0693, 16.2356, 38.2051 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 19.0693, 16.2356, 38.2051 by changing the saturation by 10% instead.

■ 19.0693, 16.2356,
38.2051

■ 19.0693, 16.2356,
38.2051

239.7618,
230.7280, 353.8235

■ 11.8247, 9.6910,
25.8388

■ 41.3671, 37.0067,
73.6293

■ 6.6957, 5.1946,
16.4784

■ 57.1510, 52.0021,
97.5243

■ 3.3172, 2.3619,
9.7053

■ 76.5121, 70.5831,
126.0994

■ 1.3236, 0.8062,
5.1010

■ 99.8156, 93.1343,
159.7729

■ 0.2008, 0.0000,
2.2469

127.4270,
120.0400, 198.9636

■ 0.0000, 0.0000,
0.7012

159.7116,

■ 0.0000, 0.0000,

151.6846, 244.0899

0.0000

197.0348,
188.4524, 295.5703

■ 19.0693, 16.2356,
38.2051

■ 19.0693, 16.2356,
38.2051

■ 15.9625, 12.4217,
37.6330

■ 22.7444, 20.8297,
38.8984

■ 13.3929, 9.3421,
37.1740

■ 27.0130, 26.2426,
39.7183

■ 11.3293, 6.9490,
36.8208

■ 31.9011, 32.5126,
40.6709

■ 9.7360, 5.1878,
36.5649

■ 37.4324, 39.6752,
41.7618

■ 8.5725, 3.9956,
36.3961

■ 43.6296, 47.7635,
42.9964

■ 7.7770, 3.2689,
36.2977

■ 50.5139, 56.8091,
44.3796

■ 7.6420, 3.1445,
36.2808

■ 58.1059, 66.8423,
45.9160

■ 66.4251, 77.8917,
47.6103

■ 75.4904, 89.9850,
49.4667

Harmonies

Analogous

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



15.6516, 16.2356, 43.0164



19.0693, 16.2356, 38.2051



21.7901, 16.2356, 27.7559

Triad

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



19.0693, 16.2356, 38.2051



18.6357, 16.2356, 5.9414



9.8834, 16.2356, 18.3127

Complementary

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



19.0693, 16.2356, 38.2051



29.0337, 34.9274, 18.0440

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.



10.4484, 16.2356, 10.3928



19.0693, 16.2356, 38.2051



15.2134, 16.2356, 4.9668

Square

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



19.0693, 16.2356, 38.2051



21.5155, 16.2356, 9.6487



12.2884, 16.2356, 6.2499



10.6183, 16.2356, 29.2499

Rectangle

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



19.0693, 16.2356, 38.2051



22.6669, 16.2356, 20.3630



12.2884, 16.2356, 6.2499



9.9273, 16.2356, 15.2397

Sweetspot

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



19.0699, 16.2362, 38.2055



54.8844, 55.1296, 73.2236



23.7621, 28.2075, 40.2689



12.0214, 12.0021, 16.3352



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.



19.0699, 16.2362, 38.2055



29.5396, 23.2362, 68.4034



23.9736, 18.7642, 38.4350



7.2820, 7.3780, 9.4586



5.9603, 2.4561, 28.1354



0.1866, 0.0812, 0.6865

Inverse Universe

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



26.2441, 20.0751, 32.1978



44.7119, 31.3682, 55.0870



23.9490, 32.3062, 17.8061



7.7695, 7.6377, 9.1033



15.2911, 7.5251, 16.8762



0.3892, 0.1900, 0.5012

Previews

White Background



This preview shows how the XYZ color 19.0693, 16.2356, 38.2051 looks on a white 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

Black Background



This preview shows how the XYZ color 19.0693, 16.2356, 38.2051 looks on a black 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

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

XYZ 19.0693, 16.2356, 38.2051

Background



This preview shows how black text looks on a background with the XYZ color 19.0693, 16.2356, 38.2051.

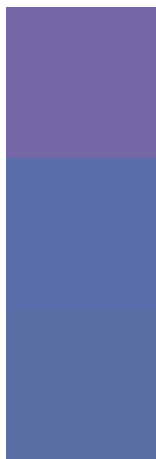


This preview shows how white text looks on a background with the XYZ color 19.0693, 16.2356,

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

19.0693, 16.2356, 38.2051

Protanopia

17.2388, 16.3041, 41.2681

Deuteranopia

16.6017, 16.2229, 37.3783



Tritanopia

15.4297, 16.1570, 20.3945

Trichromacy



Original Color

19.0693, 16.2356, 38.2051

Protanomaly

17.7689, 16.1270, 40.2065

Deuteranomaly

17.4096, 16.1511, 37.7972

Tritanomaly

16.5395, 16.1229, 25.9072

Monochromacy



Original Color

19.0693, 16.2356, 38.2051

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8798, 16.4902, 24.4836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0693, 16.2356, 38.2051 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(117, 103, 166)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 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(117, 103, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 166) }
```

Border

The CSS property to change the border of an element to XYZ 19.0693, 16.2356, 38.2051 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(117, 103, 166) }
```


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

```
.border{ border-color:rgb(117, 103, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 166);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0693, 16.2356, 38.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 166) }
```

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

```
.background{ background-color: rgb(117,  
103, 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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