

Converting Colors

XYZ(19.4311, 16.3039, 40.6170)

Have a look what the booklet for
XYZ(19.4311, 16.3039, 40.6170)
contains.

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Color

**XYZ(19.5371, 16.4227,
40.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	7567AB
RGB	117, 103, 171
RGB Percent	46%, 40%, 67%
CMY	0.5412, 0.5961, 0.3294
CMYK	0.32, 0.40, 0.00, 0.33
HSL	252°, 29%, 54%
HSV	252°, 40%, 67%
XYZ	19.5371, 16.4227, 40.6683
YIQ	114.9380, -13.4840, 24.1160

Conversions

Conversions Part 2

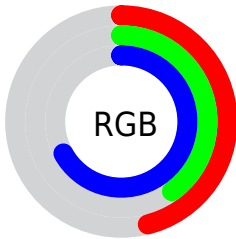
Format	Color
R _Y B	117, 103, 171
Decimal	7694251
CIE _{Lab}	47.52, 21.27, -34.51
CIE _{LCh}	48, 40.538, 301.650
Yxy	16.4227, 0.2550, 0.2143
Android (android.graphics.Color)	4285884331 (0xFF7567AB)
YUV	114.9380, 27.6386, 1.8084
Hunter-Lab	40.5249, 15.1364, -31.1323

Details

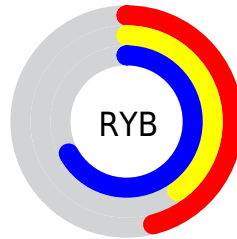
The XYZ color **19.5371, 16.4227, 40.6683** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.9160, 37.2735, 18.3976**, and the grayscale version is **16.1993, 17.0429, 18.5598**.

A 20% lighter version of the original color is **42.2153, 37.3152, 77.6506**, and **6.9310, 5.2946, 17.7962** is the 20% darker color. If you saturate the color by 10%, you get **16.3130, 12.4889, 40.0792**, and if you desaturate by 10%, it is **23.3750, 21.1898, 41.3865**.

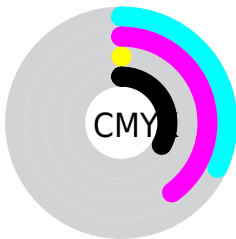
Distribution



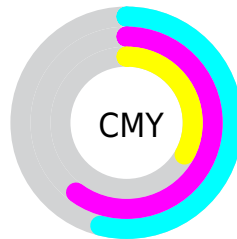
- Red (46%)
- Green (40%)
- Blue (67%)



- Red (46%)
- Yellow (40%)
- Blue (67%)



- Cyan (32%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (54%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5371, 16.4227, 40.6683 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 19.5371, 16.4227, 40.6683 by changing the saturation by 10% instead.

■ 19.5371, 16.4227,
40.6683

■ 19.5371, 16.4227,
40.6683

242.2796,
231.8232, 364.5679

■ 12.1653, 9.8238,
27.7422

■ 42.1496, 37.3305,
77.4283

■ 6.9294, 5.2823,
17.8941

■ 58.1211, 52.4081,
102.0993

■ 3.4639, 2.4138,
10.7053

■ 77.6898, 71.0808,
131.5224

■ 1.4036, 0.8330,
5.7574

■ 101.2211, 93.7329,
166.1161

■ 0.2588, 0.0000,
2.6317

129.0804,
120.7488, 206.2990

■ 0.0000, 0.0000,
0.9088

161.6330,

■ 0.0000, 0.0000,

152.5128, 252.4895

0.0000

199.2443,
189.4095, 305.1063

■ 19.5371, 16.4227,
40.6683

■ 19.5371, 16.4227,
40.6683

■ 16.3130, 12.4889,
40.0792

■ 23.3750, 21.1898,
41.3865

■ 13.6680, 9.3381,
39.6105

■ 27.8550, 26.8330,
42.2396

■ 11.5671, 6.9171,
39.2539

■ 33.0059, 33.3943,
43.2346

■ 9.9700, 5.1655,
39.0000

■ 38.8541, 40.9123,
44.3774

■ 8.8308, 4.0126,
38.8375

■ 45.4247, 49.4236,
45.6740

■ 8.0663, 3.3156,
38.7433

■ 52.7415, 58.9627,
47.1296

■ 8.0510, 3.3013,
38.7413

■ 60.8270, 69.5625,
48.7494

■ 69.7030, 81.2545,
50.5384

■ 78.7803, 92.8486,
52.2978

Harmonies

Analogous

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



15.8098, 16.4227, 45.9768



19.5371, 16.4227, 40.6683



22.5401, 16.4227, 29.0640

Triad

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



19.5371, 16.4227, 40.6683



19.1382, 16.4227, 5.4815



9.6543, 16.4227, 18.4594

Complementary

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



19.5371, 16.4227, 40.6683



30.9160, 37.2735, 18.3976

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.



10.2684, 16.4227, 10.0132



19.5371, 16.4227, 40.6683



15.4105, 16.4227, 4.4718

Square

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



19.5371, 16.4227, 40.6683



22.2860, 16.4227, 9.3554



12.2467, 16.4227, 5.7456



10.4201, 16.4227, 30.4546

Rectangle

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



19.5371, 16.4227, 40.6683



23.5225, 16.4227, 20.9226



12.2467, 16.4227, 5.7456



9.7056, 16.4227, 15.1504

Sweetspot

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



19.5377, 16.4233, 40.6687



56.7403, 56.7756, 76.9701



25.0694, 30.0738, 43.0119



12.3890, 12.3239, 17.1135



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.5377, 16.4233, 40.6687



29.7005, 22.9528, 71.8668



24.8898, 19.1824, 40.9192



7.7273, 7.8337, 10.0575



6.1057, 2.5075, 29.2067



0.2133, 0.0922, 0.8145

Inverse Universe

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



27.7310, 20.7933, 34.4503



46.6669, 32.0167, 58.3176



25.2373, 34.3460, 18.1318



8.2654, 8.1194, 9.7082



16.0189, 7.8701, 18.2769



0.4632, 0.2260, 0.6012

Previews

White Background



This preview shows how the XYZ color 19.5371, 16.4227, 40.6683 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 19.5371, 16.4227, 40.6683 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 19.5371, 16.4227, 40.6683

Background



This preview shows how black text looks on a background with the XYZ color 19.5371, 16.4227, 40.6683.



This preview shows how white text looks on a background with the XYZ color 19.5371, 16.4227,

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

19.5371, 16.4227, 40.6683

Protanopia

17.7448, 16.6579, 44.3995

Deuteranopia

16.8861, 16.4792, 39.8269



Tritanopia

15.4814, 16.3412, 20.7506

Trichromacy



Original Color

19.5371, 16.4227, 40.6683

Protanomaly

18.2460, 16.4729, 42.7754

Deuteranomaly

17.7613, 16.4362, 40.2666

Tritanomaly

16.7578, 16.2102, 27.0566

Monochromacy



Original Color

19.5371, 16.4227, 40.6683

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.2601, 16.8312, 25.2607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5371, 16.4227, 40.6683 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 171) }
```

Border

The CSS property to change the border of an element to XYZ 19.5371, 16.4227, 40.6683 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, 171) }
```


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

```
.border{ border-color:rgb(117, 103, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 171);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5371, 16.4227, 40.6683 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, 171) }
```

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

```
.background{ background-color: rgb(117,  
103, 171) }
```

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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