

Converting Colors

XYZ(19.0563, 16.7500, 43.3033)

Have a look what the booklet for
XYZ(19.0563, 16.7500, 43.3033)
contains.

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Color

**XYZ(19.0380, 16.7142,
43.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6BB0
RGB	106, 107, 176
RGB Percent	42%, 42%, 69%
CMY	0.5843, 0.5804, 0.3098
CMYK	0.40, 0.39, 0.00, 0.31
HSL	239°, 31%, 55%
HSV	239°, 40%, 69%
XYZ	19.0380, 16.7142, 43.2970
YIQ	114.5670, -22.7450, 21.2470

Conversions

Conversions Part 2

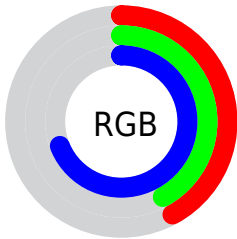
Format	Color
R _Y B	106, 107, 176
Decimal	6974384
CIE Lab	47.90, 17.13, -36.90
CIE LCh	48, 40.683, 294.896
Yxy	16.7142, 0.2408, 0.2114
Android (android.graphics.Color)	4285164464 (0xFF6A6BB0)
YUV	114.5670, 30.2865, -7.5133
Hunter-Lab	40.8830, 11.5769, -34.1728

Details

The XYZ color **19.0380, 16.7142, 43.2970** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.8364, 40.9311, 19.6481**, and the grayscale version is **16.0818, 16.9193, 18.4251**.

A 20% lighter version of the original color is **41.2896, 37.7535, 81.4549**, and **6.7123, 5.4460, 19.4363** is the 20% darker color. If you saturate the color by 10%, you get **15.5263, 12.4830, 42.6657**, and if you desaturate by 10%, it is **23.3431, 21.8936, 44.0701**.

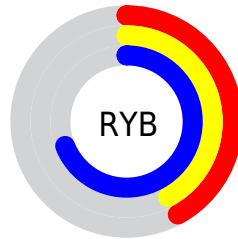
Distribution



Red (42%)

Green (42%)

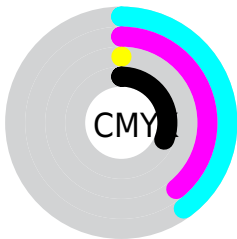
Blue (69%)



Red (42%)

Yellow (42%)

Blue (69%)

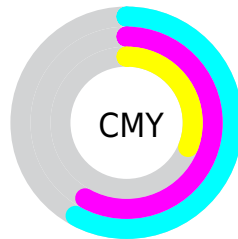


Cyan (40%)

Magenta (39%)

Yellow (0%)

Black (31%)



Cyan (58%)

Magenta (58%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0380, 16.7142, 43.2970 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 19.0380, 16.7142, 43.2970 by changing the saturation by 10% instead.

■ 19.0380, 16.7142,
43.2970

■ 19.0380, 16.7142,
43.2970

239.5925,
233.5200, 375.7888

■ 11.8019, 10.0309,
29.7851

■ 41.3147, 37.8337,
81.4500

■ 6.6802, 5.4195,
19.4249

■ 57.0860, 53.0388,
106.9282

■ 3.3074, 2.4954,
11.7978

■ 76.4330, 71.8532,
137.2322

■ 1.3184, 0.8743,
6.4853

■ 99.7213, 94.6614,
172.7806

■ 0.1969, 0.0000,
3.0688

127.3160,
121.8478, 213.9919

■ 0.0000, 0.0000,
1.1299

159.5825,

■ 0.0000, 0.0000,

153.7968, 261.2847

0.0000

196.8862,
190.8927, 315.0775

■ 19.0380, 16.7142,
43.2970

■ 19.0380, 16.7142,
43.2970

■ 15.5263, 12.4830,
42.6657

■ 23.3431, 21.8936,
44.0701

■ 12.7577, 9.1410,
42.1665

■ 28.4839, 28.0719,
44.9917

■ 10.6795, 6.6252,
41.7905

■ 34.5020, 35.2983,
46.0694

■ 9.2309, 4.8638,
41.5269

■ 41.4355, 43.6183,
47.3099

■ 8.3408, 3.7727,
41.3632

■ 49.3206, 53.0748,
48.7196

■ 7.8731, 3.2004,
41.2773

■ 58.1913, 63.7082,
50.3045

■ 7.8638, 3.1892,
41.2757

■ 68.0799, 75.5569,
52.0703

■ 79.0173, 88.6579,
54.0226

■ 84.8365, 95.9146,
55.1166

Harmonies

Analogous

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



15.2682, 16.7142, 46.5727



19.0380, 16.7142, 43.2970



22.3697, 16.7142, 32.4297

Triad

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



19.0380, 16.7142, 43.2970



20.2884, 16.7142, 6.1859



9.8555, 16.7142, 16.4634

Complementary

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



19.0380, 16.7142, 43.2970



35.8364, 40.9311, 19.6481

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.



10.7949, 16.7142, 8.8925



19.0380, 16.7142, 43.2970



16.5209, 16.7142, 4.5980

Square

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



19.0380, 16.7142, 43.2970



23.1659, 16.7142, 10.9626



13.1033, 16.7142, 5.3527



10.3180, 16.7142, 28.0741

Rectangle

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



19.0380, 16.7142, 43.2970



23.6984, 16.7142, 23.9744



13.1033, 16.7142, 5.3527



10.0129, 16.7142, 13.4346

Sweetspot

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



19.0386, 16.7148, 43.2974



59.7626, 60.6432, 83.0508



29.1912, 37.2038, 46.1145



12.6451, 12.7745, 17.9436



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.0386, 16.7148, 43.2974



28.6941, 23.2849, 77.4774



23.7782, 19.0043, 43.4895



8.0514, 8.2489, 10.6742



5.7735, 2.3473, 30.2858



0.1849, 0.0803, 0.9540

Inverse Universe

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



25.7129, 20.6004, 16.5316



42.5561, 31.3935, 21.8779



29.3113, 37.8572, 19.3987



8.5011, 8.5072, 8.8714



13.1488, 6.7771, 0.6778



0.4153, 0.2139, 0.0299

Previews

White Background



This preview shows how the XYZ color 19.0380, 16.7142, 43.2970 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 19.0380, 16.7142, 43.2970 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 19.0380, 16.7142, 43.2970

Background



This preview shows how black text looks on a background with the XYZ color 19.0380, 16.7142, 43.2970.

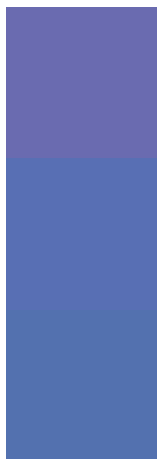


This preview shows how white text looks on a background with the XYZ color 19.0380, 16.7142,

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

19.0380, 16.7142, 43.2970

Protanopia

17.9472, 16.7389, 45.4650

Deuteranopia

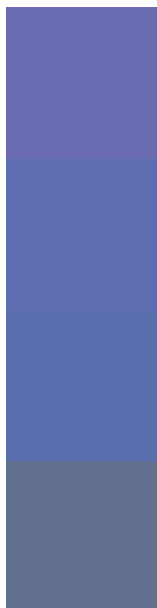
17.2103, 16.7444, 42.8824



Tritanopia

14.8081, 16.6346, 22.5090

Trichromacy



Original Color

19.0380, 16.7142, 43.2970

Protanomaly

18.4319, 16.8394, 44.9267

Deuteranomaly

17.7367, 16.6882, 42.8438

Tritanomaly

16.0530, 16.4513, 29.1174

Monochromacy



Original Color

19.0380, 16.7142, 43.2970

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9916, 16.8392, 26.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0380, 16.7142, 43.2970 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(106, 107, 176)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 176)  
}
```

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(106, 107, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 176) }
```

Border

The CSS property to change the border of an element to XYZ 19.0380, 16.7142, 43.2970 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(106, 107, 176) }
```


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

```
.border{ border-color:rgb(106, 107, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 107, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 176);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0380, 16.7142, 43.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 176) }
```

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

```
.background{ background-color: rgb(106,  
107, 176) }
```

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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