

Converting Colors

XYZ(19.3270, 15.9136, 76.5483)

Have a look what the booklet for
XYZ(19.3270, 15.9136, 76.5483)
contains.

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Color

**XYZ(19.4370, 16.0212,
76.9309)**

Conversions

Conversions Part 1

Format	Color
Hex	006AE6
RGB	0, 106, 230
RGB Percent	0%, 42%, 90%
CMY	0.9997, 0.5843, 0.0980
CMYK	1.00, 0.54, 0.00, 0.10
HSL	212°, 100%, 45%
HSV	212°, 100%, 90%
XYZ	19.4370, 16.0212, 76.9309
YIQ	88.4420, -102.9800, 16.0920

Conversions

Conversions Part 2

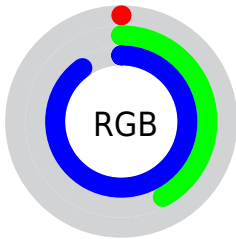
Format	Color
RYB	0, 73, 230
Decimal	27366
CIELab	47.00, 23.02, -69.51
CIELCh	47, 73.220, 288.321
Yxy	16.0212, 0.1729, 0.1426
Android (android.graphics.Color)	4278217446 (0xFF006AE6)
YUV	88.4420, 69.7881, -77.5636
Hunter-Lab	40.0265, 16.6338, -85.9368

Details

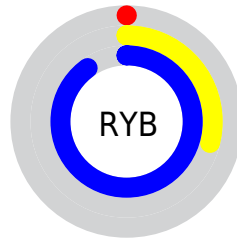
The XYZ color **19.4370, 16.0212, 76.9309** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.8498, 31.2554, 3.9345**, and the grayscale version is **9.2451, 9.7265, 10.5922**.

A 20% lighter version of the original color is **35.8823, 34.0611, 99.2910**, and **9.1587, 6.2488, 40.2586** is the 20% darker color. If you saturate the color by 10%, you get **19.4333, 16.0138, 76.9301**, and if you desaturate by 10%, it is **21.1639, 18.9482, 77.4053**.

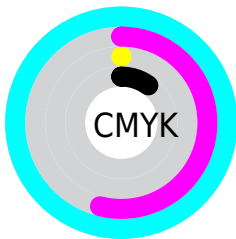
Distribution



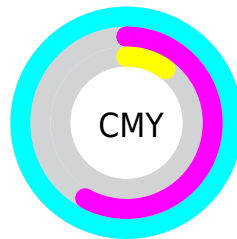
- Red (0%)
- Green (42%)
- Blue (90%)



- Red (0%)
- Yellow (29%)
- Blue (90%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (58%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4370, 16.0212, 76.9309 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 19.4370, 16.0212, 76.9309 by changing the saturation by 10% instead.

■ 19.4370, 16.0212,
76.9309

■ 19.4370, 16.0212,
76.9309

241.7428,
229.4668, 503.9598

■ 12.0923, 9.5392,
56.6849

■ 41.9824, 36.6350,
130.8141

■ 6.8792, 5.0945,
40.3447

■ 57.9139, 51.5356,
165.2883

■ 3.4324, 2.3028,
27.4916

■ 77.4383, 70.0111,
205.3425

■ 1.3863, 0.7752,
17.7070

■ 100.9211, 92.4459,
251.3950

■ 0.2464, 0.0000,
10.5726

■ 128.7276,
119.2245, 303.8644

■ 0.0000, 0.0000,
5.6697

161.2232,

■ 0.0000, 0.0000,

150.7313, 363.1694

2.5798

198.7731,
187.3506, 429.7283

■ 0.0000, 0.0000,
0.8820

■ 0.0000, 0.0000,
0.0000

■ 19.4370, 16.0212,
76.9309

■ 19.4370, 16.0212,
76.9309

■ 19.4333, 16.0138,
76.9301

■ 21.1639, 18.9482,
77.4053

■ 23.5031, 22.4763,
77.9630

■ 26.5961, 26.6890,
78.6131

■ 30.5271, 31.6396,
79.3615

■ 35.3679, 37.3744,
80.2133

■ 41.1817, 43.9351,
81.1732

■ 48.0257, 51.3599,
82.2456

■ 55.9523, 59.6840,
83.4345

■ 65.0100, 68.9407,
84.7439

Harmonies

Analogous

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



12.8680, 16.0212, 79.8111



19.4370, 16.0212, 76.9309



26.4042, 16.0212, 52.9855

Triad

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



19.4370, 16.0212, 76.9309



24.9742, 16.0212, 2.1358



6.0700, 16.0212, 11.2338

Complementary

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



19.4370, 16.0212, 76.9309



39.8498, 31.2554, 3.9345

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.



7.7563, 16.0212, 2.9306



19.4370, 16.0212, 76.9309



17.8595, 16.0212, 0.6526

Square

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



19.4370, 16.0212, 76.9309



30.1688, 16.0212, 8.5392



11.6747, 16.0212, 0.8061



6.2723, 16.0212, 31.0487

Rectangle

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



19.4370, 16.0212, 76.9309



29.7811, 16.0212, 33.9892



11.6747, 16.0212, 0.8061



6.4099, 16.0212, 7.3889

Sweetspot

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



19.4378, 16.0216, 76.9314



60.5070, 64.7081, 103.9086



31.8541, 58.0169, 28.1594



12.1335, 12.9715, 22.1142



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.4378, 16.0216, 76.9314



24.4675, 20.0550, 97.1892



14.3805, 5.7645, 75.2181



14.1272, 14.9759, 18.2904



11.1214, 9.3049, 43.5930



0.9139, 0.8717, 3.2521

Inverse Universe

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



35.2355, 17.8651, 15.2267



44.4793, 22.5557, 18.9877



58.5246, 72.1768, 10.8488



14.6518, 14.4779, 16.3669



20.0071, 10.1370, 8.9321



1.5249, 0.7677, 0.9047

Previews

White Background



This preview shows how the XYZ color 19.4370, 16.0212, 76.9309 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 19.4370, 16.0212, 76.9309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

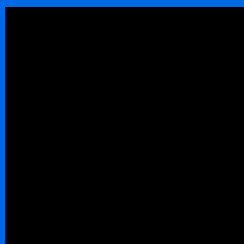
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

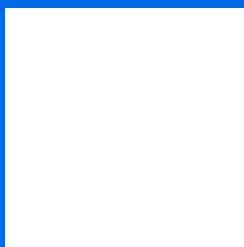
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4370, 16.0212, 76.9309

Background



This preview shows how black text looks on a background with the XYZ color 19.4370, 16.0212, 76.9309.



This preview shows how white text looks on a background with the XYZ color 19.4370, 16.0212,

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

19.4370, 16.0212, 76.9309

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.9811, 16.0201, 54.4745



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

19.4370, 16.0212, 76.9309

Protanomaly

19.2613, 16.1168, 75.4945

Deuteranomaly

17.0696, 15.9229, 61.8483

Tritanomaly

13.3363, 15.5126, 38.8505

Monochromacy



Original Color

19.4370, 16.0212, 76.9309

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.4567, 10.9186, 26.3673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4370, 16.0212, 76.9309 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(0, 106, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 230)  
}
```

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(0, 106, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 230) }
```

Border

The CSS property to change the border of an element to XYZ 19.4370, 16.0212, 76.9309 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(0, 106, 230) }
```


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

```
.border{ border-color:rgb(0, 106, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4370, 16.0212, 76.9309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 230) }
```

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

```
.background{ background-color: rgb(0, 106,  
230) }
```

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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