

Converting Colors

XYZ(0.9586, 7.8099, 60.2349)

Have a look what the booklet for
XYZ(0.9586, 7.8099, 60.2349)
contains.

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Color

**XYZ(17.0567, 16.0933,
61.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	0070CF
RGB	0, 112, 207
RGB Percent	0%, 44%, 81%
CMY	0.9998, 0.5608, 0.1882
CMYK	1.00, 0.46, 0.00, 0.19
HSL	208°, 100%, 41%
HSV	208°, 100%, 81%
XYZ	17.0567, 16.0933, 61.2388
YIQ	89.3420, -97.2470, 5.8010

Conversions

Conversions Part 2

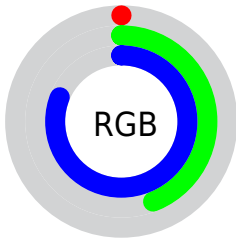
Format	Color
RYB	0, 73, 207
Decimal	28879
CIELab	47.10, 10.06, -56.30
CIELCh	47, 57.193, 280.128
Yxy	16.0933, 0.1807, 0.1705
Android (android.graphics.Color)	4278218959 (0xFF0070CF)
YUV	89.3420, 58.0054, -78.3529
Hunter-Lab	40.1165, 5.6908, -62.4262

Details

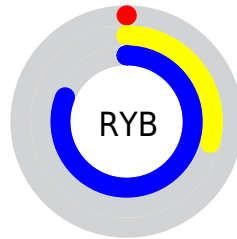
The XYZ color **17.0567, 16.0933, 61.2388** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.8298, 21.4599, 2.5715**, and the grayscale version is **9.4659, 9.9588, 10.8452**.

A 20% lighter version of the original color is **36.2928, 36.0670, 99.6565**, and **7.5578, 6.0476, 30.4747** is the 20% darker color. If you saturate the color by 10%, you get **17.0540, 16.0879, 61.2383**, and if you desaturate by 10%, it is **18.4653, 18.4590, 61.6216**.

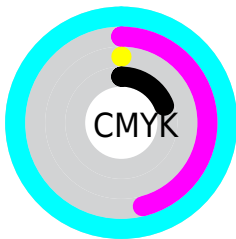
Distribution



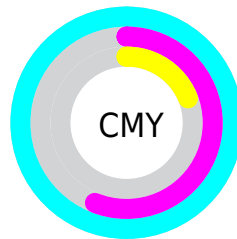
- Red (0%)
- Green (44%)
- Blue (81%)



- Red (0%)
- Yellow (29%)
- Blue (81%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0567, 16.0933, 61.2388 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 17.0567, 16.0933, 61.2388 by changing the saturation by 10% instead.

■ 17.0567, 16.0933,
61.2388

■ 17.0567, 16.0933,
61.2388

228.6488,
229.8916, 447.0798

■ 10.3705, 9.5902,
43.9861

■ 37.9661, 36.7601,
108.1855

■ 5.7094, 5.1281,
30.3225

■ 52.9199, 51.6926,
138.7166

■ 2.7082, 2.3226,
19.8294

■ 71.3603, 70.2037,
174.5110

■ 1.0014, 0.7856,
12.0882

■ 93.6527, 92.6777,
215.9870

■ 0.0000, 0.0000,
6.6805

■ 120.1624,
119.4992, 263.5634

■ 0.0000, 0.0000,
3.1877

151.2547,

■ 0.0000, 0.0000,

151.0524, 317.6587

1.1913

187.2951,
187.7217, 378.6913

■ 0.0000, 0.0000,
0.0000

■ 17.0567, 16.0933,
61.2388

■ 17.0567, 16.0933,
61.2388

■ 17.0540, 16.0879,
61.2383

■ 18.4653, 18.4590,
61.6216

■ 20.3123, 21.2199,
62.0571

■ 22.7113, 24.4391,
62.5521

■ 25.7250, 28.1534,
63.1102

■ 29.4065, 32.3946,
63.7347

■ 33.8025, 37.1908,
64.4288

■ 38.9553, 42.5680,
65.1951

■ 44.9038, 48.5500,
66.0363

■ 51.6839, 55.1591,
66.9546

Harmonies

Analogous

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



12.2449, 16.0933, 58.4832



17.0567, 16.0933, 61.2388



22.3967, 16.0933, 48.2869

Triad

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



17.0567, 16.0933, 61.2388



23.9247, 16.0933, 5.0645



7.8973, 16.0933, 9.7074

Complementary

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



17.0567, 16.0933, 61.2388



29.8298, 21.4599, 2.5715

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.



9.8816, 16.0933, 3.7476



17.0567, 16.0933, 61.2388



18.8165, 16.0933, 2.2644

Square

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



17.0567, 16.0933, 61.2388



26.8982, 16.0933, 13.0983



13.6612, 16.0933, 1.9678



7.6274, 16.0933, 22.8460

Rectangle

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



17.0567, 16.0933, 61.2388



25.2829, 16.0933, 35.2068



13.6612, 16.0933, 1.9678



8.3614, 16.0933, 7.0476

Sweetspot

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



17.0574, 16.0938, 61.2392



62.0873, 67.8687, 104.4354



24.2974, 45.4198, 17.8841



12.5068, 13.7181, 22.2386



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.



17.0574, 16.0938, 61.2392



27.1299, 25.3797, 98.0766



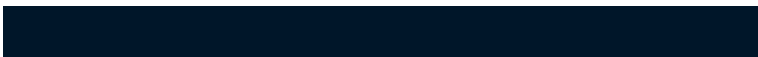
11.3762, 4.7312, 59.3455



11.6858, 12.4620, 15.0331



10.8404, 10.3274, 38.6145



0.6850, 0.7352, 2.1854

Inverse Universe

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



28.6575, 14.4365, 16.6054



45.8231, 23.0932, 26.0643



45.6202, 53.0408, 7.8350



12.0723, 11.9137, 13.6567



18.1025, 9.1138, 10.7117



1.0520, 0.5255, 0.8086

Previews

White Background



This preview shows how the XYZ color 17.0567, 16.0933, 61.2388 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 17.0567, 16.0933, 61.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

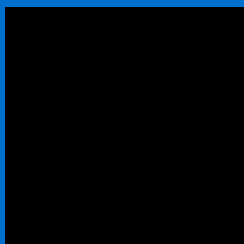
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0567, 16.0933, 61.2388

Background



This preview shows how black text looks on a background with the XYZ color 17.0567, 16.0933, 61.2388.



This preview shows how white text looks on a background with the XYZ color 17.0567, 16.0933,

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

17.0567, 16.0933, 61.2388

Protanopia

18.2564, 16.1269, 58.6505

Deuteranopia

16.3305, 15.9804, 56.8674



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

17.0567, 16.0933, 61.2388

Protanomaly

17.2822, 15.7683, 59.2595

Deuteranomaly

16.6846, 16.1221, 58.7324

Tritanomaly

12.9745, 15.9361, 35.1930

Monochromacy



Original Color

17.0567, 16.0933, 61.2388

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.1269, 11.0852, 23.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0567, 16.0933, 61.2388 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, 112, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 207)  
}
```

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, 112, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 207) }
```

Border

The CSS property to change the border of an element to XYZ 17.0567, 16.0933, 61.2388 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, 112, 207) }
```


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

```
.border{ border-color:rgb(0, 112, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0567, 16.0933, 61.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 207) }
```

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

```
.background{ background-color: rgb(0, 112,  
207) }
```

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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