

Converting Colors

XYZ(3.2923, 7.7348, 71.4391)

Have a look what the booklet for
XYZ(3.2923, 7.7348, 71.4391)
contains.

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Color

**XYZ(18.4733, 15.6358,
71.8564)**

Conversions

Conversions Part 1

Format	Color
Hex	006ADF
RGB	0, 106, 223
RGB Percent	0%, 42%, 87%
CMY	0.9998, 0.5843, 0.1255
CMYK	1.00, 0.52, 0.00, 0.13
HSL	211°, 100%, 44%
HSV	211°, 100%, 87%
XYZ	18.4733, 15.6358, 71.8564
YIQ	87.6440, -100.7330, 13.9150

Conversions

Conversions Part 2

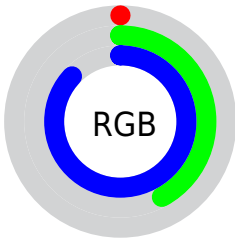
Format	Color
R _Y B	0, 72, 223
Decimal	27359
CIE Lab	46.49, 20.26, -66.38
CIE LCh	46, 69.403, 286.973
Yxy	15.6358, 0.1743, 0.1476
Android (android.graphics.Color)	4278217439 (0xFF006ADF)
YUV	87.6440, 66.7305, -76.8638
Hunter-Lab	39.5421, 14.1929, -80.0630

Details

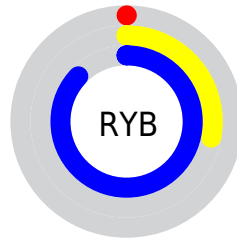
The XYZ color **18.4733, 15.6358, 71.8564** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **36.7995, 28.4233, 3.5482**, and the grayscale version is **9.0775, 9.5503, 10.4003**.

A 20% lighter version of the original color is **35.6474, 33.9400, 99.2800**, and **8.5909, 6.0217, 37.2687** is the 20% darker color. If you saturate the color by 10%, you get **18.4705, 15.6301, 71.8558**, and if you desaturate by 10%, it is **20.1016, 18.3894, 72.3025**.

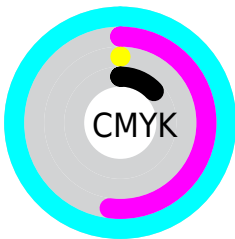
Distribution



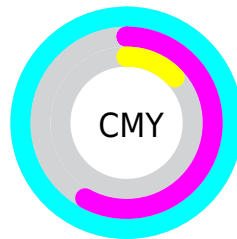
- Red (0%)
- Green (42%)
- Blue (87%)



- Red (0%)
- Yellow (28%)
- Blue (87%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (58%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4733, 15.6358, 71.8564 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 18.4733, 15.6358, 71.8564 by changing the saturation by 10% instead.

■ 18.4733, 15.6358,
71.8564

■ 18.4733, 15.6358,
71.8564

236.5198,
227.1830, 486.0057

■ 11.3921, 9.2668,
52.5553

■ 40.3660, 35.9648,
123.5582

■ 6.4004, 4.9156,
37.0626

■ 55.9081, 50.6935,
156.7959

■ 3.1330, 2.1978,
24.9598

■ 75.0013, 68.9777,
195.5162

■ 1.2245, 0.7188,
15.8283

■ 98.0108, 91.2016,
240.1376

■ 0.1256, 0.0000,
9.2497

■ 125.3021,
117.7497, 291.0788

■ 0.0000, 0.0000,
4.8054

157.2404,

■ 0.0000, 0.0000,

149.0064, 348.7582

2.0768

194.1912,
185.3560, 413.5943

■ 0.0000, 0.0000,
0.6019

■ 0.0000, 0.0000,
0.0000

■ 18.4733, 15.6358,
71.8564

■ 18.4733, 15.6358,
71.8564

■ 18.4705, 15.6301,
71.8558

■ 20.1016, 18.3894,
72.3025

■ 22.2902, 21.6855,
72.8233

■ 25.1718, 25.6012,
73.4273

■ 28.8240, 30.1850,
74.1195

■ 33.3125, 35.4787,
74.9048

■ 38.6956, 41.5200,
75.7871

■ 45.0256, 48.3433,
76.7705

■ 52.3509, 55.9806,
77.8586

■ 60.7160, 64.4618,
79.0547

Harmonies

Analogous

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



12.4195, 15.6358, 73.3987



18.4733, 15.6358, 71.8564



24.9399, 15.6358, 50.7846

Triad

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



18.4733, 15.6358, 71.8564



24.1583, 15.6358, 2.5219



6.2440, 15.6358, 10.6337

Complementary

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



18.4733, 15.6358, 71.8564



36.7995, 28.4233, 3.5482

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.



7.9462, 15.6358, 2.9975



18.4733, 15.6358, 71.8564



17.6040, 15.6358, 0.8769

Square

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



18.4733, 15.6358, 71.8564



28.7781, 15.6358, 9.1136



11.7539, 15.6358, 0.9634



6.3596, 15.6358, 28.5477

Rectangle

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



18.4733, 15.6358, 71.8564



28.1383, 15.6358, 33.4082



11.7539, 15.6358, 0.9634



6.5981, 15.6358, 7.1261

Sweetspot

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



18.4741, 15.6362, 71.8568



60.7882, 65.2706, 104.0023



29.4970, 54.0194, 25.1651



12.1998, 13.1040, 22.1363



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.



18.4741, 15.6362, 71.8568



24.9091, 20.9382, 97.3364



13.3671, 5.3532, 70.1412



13.4866, 14.3123, 17.4394



10.9719, 9.4134, 42.2870



0.8497, 0.8309, 2.9608

Inverse Universe

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



33.0337, 16.7298, 15.1238



44.7022, 22.6449, 20.1614



55.6873, 67.8801, 10.1687



13.9771, 13.8085, 15.6495



19.4783, 9.8583, 9.1845



1.3952, 0.7013, 0.8737

Previews

White Background



This preview shows how the XYZ color 18.4733, 15.6358, 71.8564 looks on a white background.

Color Contrast Check

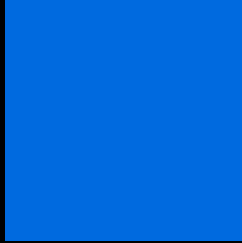
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4733, 15.6358, 71.8564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

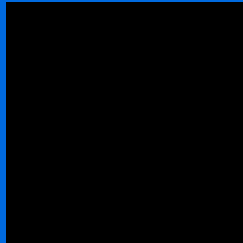
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

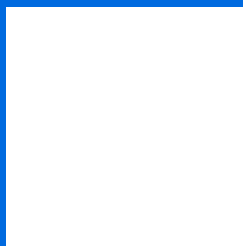
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4733, 15.6358, 71.8564

Background



This preview shows how black text looks on a background with the XYZ color 18.4733, 15.6358, 71.8564.



This preview shows how white text looks on a background with the XYZ color 18.4733, 15.6358,

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

18.4733, 15.6358, 71.8564

Protanopia

18.8042, 15.8064, 71.8719

Deuteranopia

15.5318, 15.4834, 53.2089



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

18.4733, 15.6358, 71.8564

Protanomaly

18.6544, 15.7291, 71.8649

Deuteranomaly

16.5954, 15.5596, 59.8862

Tritanomaly

12.9462, 15.1711, 37.3679

Monochromacy



Original Color

18.4733, 15.6358, 71.8564

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.2385, 10.8313, 25.2179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4733, 15.6358, 71.8564 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 223) }
```

Border

The CSS property to change the border of an element to XYZ 18.4733, 15.6358, 71.8564 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, 223) }
```


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

```
.border{ border-color:rgb(0, 106, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4733, 15.6358, 71.8564 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, 223) }
```

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

```
.background{ background-color: rgb(0, 106,  
223) }
```

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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