

Converting Colors

XYZ(6.3263, 13.3377, 47.2378)

Have a look what the booklet for
XYZ(6.3263, 13.3377, 47.2378)
contains.

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Color

**XYZ(16.0081, 18.3406,
47.4961)**

Conversions

Conversions Part 1

Format	Color
Hex	007EB7
RGB	0, 126, 183
RGB Percent	0%, 49%, 72%
CMY	0.9999, 0.5059, 0.2824
CMYK	1.00, 0.31, 0.00, 0.28
HSL	199°, 100%, 36%
HSV	199°, 100%, 72%
XYZ	16.0081, 18.3406, 47.4961
YIQ	94.8240, -93.3930, -8.9850

Conversions

Conversions Part 2

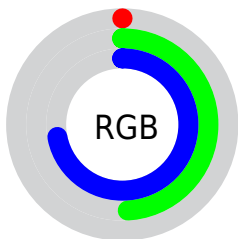
Format	Color
RYB	0, 75, 183
Decimal	32439
CIELab	49.91, -7.96, -38.05
CIELCh	50, 38.871, 258.189
Yxy	18.3406, 0.1956, 0.2241
Android (android.graphics.Color)	4278222519 (0xFF007EB7)
YUV	94.8240, 43.4708, -83.1606
Hunter-Lab	42.8259, -8.2230, -35.7774

Details

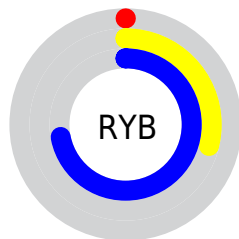
The XYZ color **16.0081, 18.3406, 47.4961** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.9937, 12.9973, 1.4033**, and the grayscale version is **10.7534, 11.3135, 12.3204**.

A 20% lighter version of the original color is **36.0146, 40.3999, 87.5612**, and **6.6831, 6.9195, 22.1024** is the 20% darker color. If you saturate the color by 10%, you get **16.0069, 18.3380, 47.4961**, and if you desaturate by 10%, it is **17.0141, 19.9727, 47.7585**.

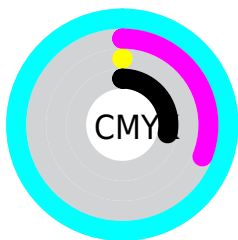
Distribution



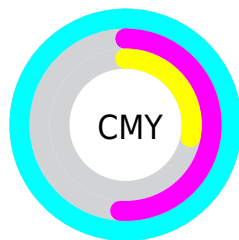
- Red (0%)
- Green (49%)
- Blue (72%)



- Red (0%)
- Yellow (29%)
- Blue (72%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0081, 18.3406, 47.4961 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 16.0081, 18.3406, 47.4961 by changing the saturation by 10% instead.

■ 16.0081, 18.3406,
47.4961

■ 16.0081, 18.3406,
47.4961

■ 222.6590,
242.7839, 393.2422

■ 9.6208, 11.1948,
33.0709

■ 36.1696, 40.6168,
87.8114

■ 5.2086, 6.1980,
21.9092

■ 50.6745, 56.5161,
114.5385

■ 2.4062, 2.9659,
13.5925

■ 68.6159, 76.1019,
146.2034

■ 0.8482, 1.1139,
7.7023

■ 90.3593, 99.7587,
183.2245

■ 0.0000, 0.0000,
3.8200

■ 116.2699,
127.8710, 226.0204

■ 0.0000, 0.0000,
1.5271

■ 146.7131,

■ 0.0000, 0.0000,

160.8230, 275.0096

0.2380

182.0544,
198.9991, 330.6107

■ 0.0000, 0.0000,
0.0000

■ 16.0081, 18.3406,
47.4961

■ 16.0081, 18.3406,
47.4961

■ 16.0069, 18.3380,
47.4961

■ 17.0141, 19.9727,
47.7585

■ 18.3004, 21.8118,
48.0457

■ 19.9576, 23.9057,
48.3625

■ 22.0297, 26.2781,
48.7112

■ 24.5543, 28.9493,
49.0937

■ 27.5644, 31.9372,
49.5118

■ 31.0898, 35.2581,
49.9670

■ 35.1577, 38.9269,
50.4608

■ 39.7935, 42.9575,
50.9944

Harmonies

Analogous

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



13.0835, 18.3406, 39.4703



16.0081, 18.3406, 47.4961



19.7626, 18.3406, 46.4525

Triad

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



16.0081, 18.3406, 47.4961



25.1525, 18.3406, 14.2315



12.6241, 18.3406, 9.1860

Complementary

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



16.0081, 18.3406, 47.4961



20.9937, 12.9973, 1.4033

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.



15.2926, 18.3406, 6.1420



16.0081, 18.3406, 47.4961



22.6513, 18.3406, 8.2585

Square

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



16.0081, 18.3406, 47.4961



25.4165, 18.3406, 24.4653



18.9383, 18.3406, 5.8770



11.3241, 18.3406, 16.0618

Rectangle

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



16.0081, 18.3406, 47.4961



22.2411, 18.3406, 40.7965



18.9383, 18.3406, 5.8770



13.3718, 18.3406, 7.8048

Sweetspot

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



16.0088, 18.3412, 47.4966



55.3318, 62.8244, 89.4457



17.6219, 34.1426, 9.2666



11.6140, 13.3104, 19.6786



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.0088, 18.3412, 47.4966



28.4531, 32.4135, 84.9925



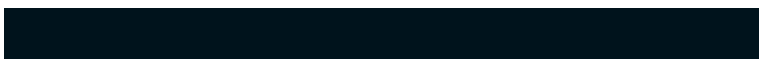
9.1979, 4.7194, 45.2263



9.0243, 9.7258, 11.4811



11.2299, 12.9194, 33.1549



0.4484, 0.5604, 1.1863

Inverse Universe

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



23.2950, 11.5746, 20.7454



41.6102, 20.6844, 36.5765



29.8707, 30.7512, 4.3623



9.2586, 9.1138, 10.7092



16.2820, 8.0866, 14.6377



0.6005, 0.2957, 0.6556

Previews

White Background



This preview shows how the XYZ color 16.0081, 18.3406, 47.4961 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 16.0081, 18.3406, 47.4961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

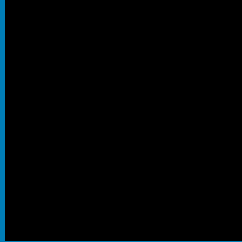
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0081, 18.3406, 47.4961

Background



This preview shows how black text looks on a background with the XYZ color 16.0081, 18.3406, 47.4961.

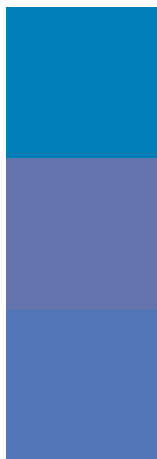


This preview shows how white text looks on a background with the XYZ color 16.0081, 18.3406,

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

16.0081, 18.3406, 47.4961

Protanopia

19.1288, 18.2386, 43.0696

Deuteranopia

18.8027, 18.2986, 48.4399



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

16.0081, 18.3406, 47.4961

Protanomaly

16.8023, 17.7041, 44.6511

Deuteranomaly

16.9573, 17.8923, 47.9072

Tritanomaly

13.9834, 18.3656, 34.2604

Monochromacy



Original Color

16.0081, 18.3406, 47.4961

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.8483, 12.8010, 21.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0081, 18.3406, 47.4961 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, 126, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 183)  
}
```

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, 126, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 183) }
```

Border

The CSS property to change the border of an element to XYZ 16.0081, 18.3406, 47.4961 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, 126, 183) }
```


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

```
.border{ border-color:rgb(0, 126, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0081, 18.3406, 47.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 183) }
```

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

```
.background{ background-color: rgb(0, 126,  
183) }
```

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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