

Converting Colors

XYZ(10.7422, 14.1602, 47.7530)

Have a look what the booklet for
XYZ(10.7422, 14.1602, 47.7530)
contains.

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Color

**XYZ(15.1302, 16.4176,
47.7189)**

Conversions

Conversions Part 1

Format	Color
Hex	0076B8
RGB	0, 118, 184
RGB Percent	0%, 46%, 72%
CMY	0.9999, 0.5373, 0.2784
CMYK	1.00, 0.36, 0.00, 0.28
HSL	202°, 100%, 36%
HSV	202°, 100%, 72%
XYZ	15.1302, 16.4176, 47.7189
YIQ	90.2420, -91.5140, -4.4900

Conversions

Conversions Part 2

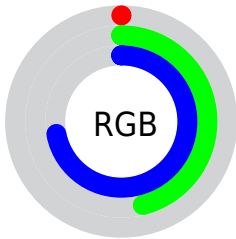
Format	Color
RYB	0, 72, 184
Decimal	30392
CIELab	47.52, -2.80, -42.40
CIELCh	48, 42.496, 266.219
Yxy	16.4176, 0.1909, 0.2071
Android (android.graphics.Color)	4278220472 (0xFF0076B8)
YUV	90.2420, 46.2227, -79.1422
Hunter-Lab	40.5186, -4.2533, -41.4629

Details

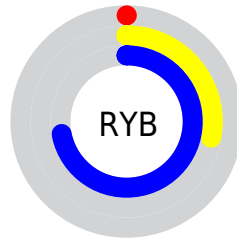
The XYZ color **15.1302, 16.4176, 47.7189** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.7179, 14.0913, 1.5763**, and the grayscale version is **9.6894, 10.1940, 11.1013**.

A 20% lighter version of the original color is **34.6171, 37.3679, 87.8263**, and **6.2194, 5.9920, 21.9479** is the 20% darker color. If you saturate the color by 10%, you get **15.1288, 16.4147, 47.7188**, and if you desaturate by 10%, it is **16.1929, 18.1604, 47.9996**.

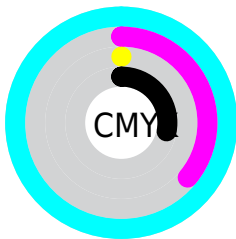
Distribution



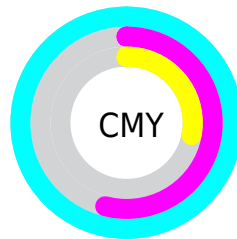
- Red (0%)
- Green (46%)
- Blue (72%)



- Red (0%)
- Yellow (28%)
- Blue (72%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1302, 16.4176, 47.7189 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 15.1302, 16.4176, 47.7189 by changing the saturation by 10% instead.

■ 15.1302, 16.4176,
47.7189

■ 15.1302, 16.4176,
47.7189

217.5257,
231.7934, 394.1534

■ 8.9977, 9.8201,
33.2459

■ 34.6512, 37.3217,
88.1469

■ 4.7968, 5.2799,
22.0422

■ 48.7705, 52.3971,
114.9390

■ 2.1621, 2.4124,
13.6893

■ 66.2827, 71.0672,
146.6746

■ 0.7226, 0.8323,
7.7686

■ 87.5532, 93.7166,
183.7722

■ 0.0000, 0.0000,
3.8616

■ 112.9474,
120.7295, 226.6503

■ 0.0000, 0.0000,
1.5497

■ 142.8307,

■ 0.0000, 0.0000,

152.4903, 275.7275

0.2546

177.5683,
189.3835, 331.4224

■ 0.0000, 0.0000,
0.0000

■ 15.1302, 16.4176,
47.7189

■ 15.1302, 16.4176,
47.7189

■ 15.1288, 16.4147,
47.7188

■ 16.1929, 18.1604,
47.9996

■ 17.5527, 20.1384,
48.3098

■ 19.3010, 22.4008,
48.6543

■ 21.4830, 24.9721,
49.0356

■ 24.1371, 27.8737,
49.4558

■ 27.2972, 31.1245,
49.9167

■ 30.9937, 34.7415,
50.4200

■ 35.2546, 38.7406,
50.9674

■ 40.1058, 43.1364,
51.5601

Harmonies

Analogous

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



11.9029, 16.4176, 41.3515



15.1302, 16.4176, 47.7189



19.0399, 16.4176, 43.7983

Triad

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



15.1302, 16.4176, 47.7189



23.0730, 16.4176, 10.1680



10.3105, 16.4176, 8.6221

Complementary

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



15.1302, 16.4176, 47.7189



21.7179, 14.0913, 1.5763

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.



12.6092, 16.4176, 4.9519



15.1302, 16.4176, 47.7189



20.0033, 16.4176, 5.5582

Square

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



15.1302, 16.4176, 47.7189



24.0359, 16.4176, 19.2836



16.0885, 16.4176, 4.1136



9.4189, 16.4176, 16.5386

Rectangle

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



15.1302, 16.4176, 47.7189



21.4606, 16.4176, 36.4864



16.0885, 16.4176, 4.1136



10.9242, 16.4176, 6.9973

Sweetspot

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



15.1309, 16.4181, 47.7193



55.8090, 62.6184, 91.3497



18.0787, 34.6565, 10.6507



11.4055, 12.8933, 19.6091



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.



15.1309, 16.4181, 47.7193



27.1904, 29.2870, 86.4245



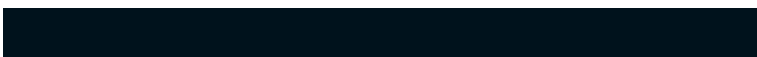
9.0589, 4.2741, 45.6953



8.9883, 9.6539, 11.4691



10.4954, 11.4504, 32.9101



0.4263, 0.5163, 1.1789

Inverse Universe

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



23.0378, 11.4993, 18.1453



41.6415, 20.7960, 32.2620



31.7243, 34.1040, 4.9118



9.2405, 9.1066, 10.6136



15.9113, 7.9383, 12.6854



0.5893, 0.2912, 0.5968

Previews

White Background



This preview shows how the XYZ color 15.1302, 16.4176, 47.7189 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 15.1302, 16.4176, 47.7189 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

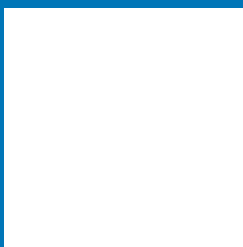
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1302, 16.4176, 47.7189

Background



This preview shows how black text looks on a background with the XYZ color 15.1302, 16.4176, 47.7189.



This preview shows how white text looks on a background with the XYZ color 15.1302, 16.4176,

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

15.1302, 16.4176, 47.7189

Protanopia

17.4422, 16.3524, 43.8320

Deuteranopia

16.9089, 16.4713, 48.1870



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

15.1302, 16.4176, 47.7189

Protanomaly

15.7189, 15.9178, 45.4240

Deuteranomaly

15.8425, 16.2565, 48.2018

Tritanomaly

12.6270, 16.1861, 32.1645

Monochromacy



Original Color

15.1302, 16.4176, 47.7189

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8826, 11.4394, 20.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1302, 16.4176, 47.7189 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, 118, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 184)  
}
```

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, 118, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 184) }
```

Border

The CSS property to change the border of an element to XYZ 15.1302, 16.4176, 47.7189 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, 118, 184) }
```


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

```
.border{ border-color:rgb(0, 118, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1302, 16.4176, 47.7189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 184) }
```

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

```
.background{ background-color: rgb(0, 118,  
184) }
```

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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