

Converting Colors

XYZ(11.4104, 15.3650, 47.1094)

Have a look what the booklet for
XYZ(11.4104, 15.3650, 47.1094)
contains.

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Color

**XYZ(15.6302, 17.5848,
47.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	007BB7
RGB	0, 123, 183
RGB Percent	0%, 48%, 72%
CMY	0.9999, 0.5176, 0.2823
CMYK	1.00, 0.33, 0.00, 0.28
HSL	200°, 100%, 36%
HSV	200°, 100%, 72%
XYZ	15.6302, 17.5848, 47.3702
YIQ	93.0630, -92.5680, -7.4160

Conversions

Conversions Part 2

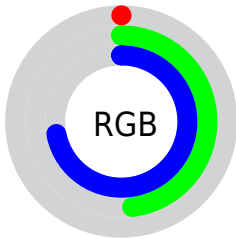
Format	Color
RYB	0, 74, 183
Decimal	31671
CIELab	48.99, -6.19, -39.50
CIELCh	49, 39.979, 261.094
Yxy	17.5848, 0.1940, 0.2182
Android (android.graphics.Color)	4278221751 (0xFF007BB7)
YUV	93.0630, 44.3389, -81.6163
Hunter-Lab	41.9342, -6.8524, -37.6218

Details

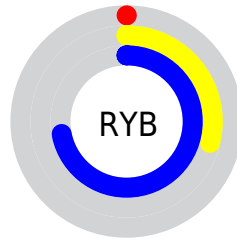
The XYZ color **15.6302, 17.5848, 47.3702** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.1465, 13.3029, 1.4542**, and the grayscale version is **10.3372, 10.8755, 11.8434**.

A 20% lighter version of the original color is **35.4242, 39.2191, 87.3643**, and **6.5453, 6.6439, 22.0565** is the 20% darker color. If you saturate the color by 10%, you get **15.6290, 17.5822, 47.3701**, and if you desaturate by 10%, it is **16.6537, 19.2519, 47.6384**.

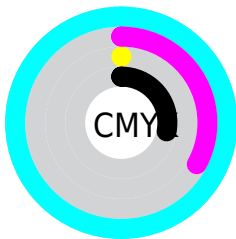
Distribution



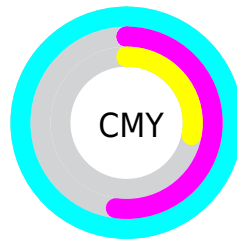
- Red (0%)
- Green (48%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6302, 17.5848, 47.3702 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 15.6302, 17.5848, 47.3702 by changing the saturation by 10% instead.

■ 15.6302, 17.5848,
47.3702

■ 15.6302, 17.5848,
47.3702

■ 220.4632,
238.5202, 392.7267

■ 9.3520, 10.6523,
32.9720

■ 35.5177, 39.3286,
87.6217

■ 5.0305, 5.8336,
21.8340

■ 49.8577, 54.9086,
114.3121

■ 2.3001, 2.7441,
13.5378

■ 67.6157, 74.1400,
145.9369

■ 0.7947, 0.9997,
7.6649

■ 89.1571, 97.4070,
182.9147

■ 0.0000, 0.0000,
3.7966

■ 114.8471,
125.0942, 225.6641

■ 0.0000, 0.0000,
1.5144

■ 145.0513,

■ 0.0000, 0.0000,

157.5859, 274.6035

0.2286

180.1348,
195.2664, 330.1515

■ 0.0000, 0.0000,
0.0000

■ 15.6302, 17.5848,
47.3702

■ 15.6302, 17.5848,
47.3702

■ 15.6290, 17.5822,
47.3701

■ 16.6537, 19.2519,
47.6384

■ 17.9617, 21.1344,
47.9328

■ 19.6449, 23.2805,
48.2584

■ 21.7475, 25.7139,
48.6172

■ 24.3071, 28.4551,
49.0114

■ 27.3569, 31.5225,
49.4428

■ 30.9267, 34.9323,
49.9128

■ 35.0440, 38.6997,
50.4230

■ 39.7340, 42.8388,
50.9747

Harmonies

Analogous

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



12.6102, 17.5848, 39.9331



15.6302, 17.5848, 47.3702



19.4238, 17.5848, 45.3399

Triad

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



15.6302, 17.5848, 47.3702



24.3190, 17.5848, 12.6776



11.7407, 17.5848, 8.9441

Complementary

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



15.6302, 17.5848, 47.3702



21.1465, 13.3029, 1.4542

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.



14.2684, 17.5848, 5.6845



15.6302, 17.5848, 47.3702



21.6231, 17.5848, 7.2167

Square

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



15.6302, 17.5848, 47.3702



24.8274, 17.5848, 22.4984



17.8464, 17.5848, 5.1979



10.5940, 17.5848, 16.1459

Rectangle

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



15.6302, 17.5848, 47.3702



21.8725, 17.5848, 39.1179



17.8464, 17.5848, 5.1979



12.4376, 17.5848, 7.4823

Sweetspot

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



15.6309, 17.5854, 47.3707



55.0358, 62.2325, 89.3471



17.6972, 34.1728, 9.6629



11.5411, 13.1645, 19.6543



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.



15.6309, 17.5854, 47.3707



27.7718, 31.0509, 84.7654



9.1079, 4.5393, 45.1963



9.0118, 9.7008, 11.4769



10.9676, 12.3949, 33.0675



0.4406, 0.5448, 1.1837

Inverse Universe

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



23.1042, 11.4982, 19.7409



41.2663, 20.5468, 34.7657



30.3488, 31.7073, 4.5216



9.2523, 9.1113, 10.6759



16.1496, 8.0336, 13.9406



0.5965, 0.2941, 0.6348

Previews

White Background



This preview shows how the XYZ color 15.6302, 17.5848, 47.3702 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 15.6302, 17.5848, 47.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

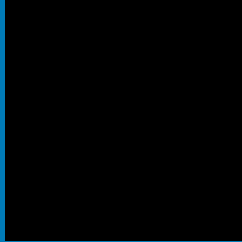
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6302, 17.5848, 47.3702

Background



This preview shows how black text looks on a background with the XYZ color 15.6302, 17.5848, 47.3702.

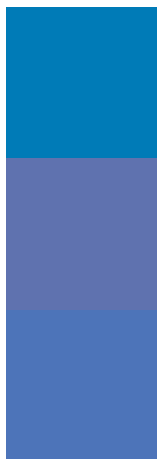


This preview shows how white text looks on a background with the XYZ color 15.6302, 17.5848,

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

15.6302, 17.5848, 47.3702

Protanopia

18.4745, 17.5627, 42.9737

Deuteranopia

18.0629, 17.5713, 48.3385



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

15.6302, 17.5848, 47.3702

Protanomaly

16.2607, 16.8976, 44.5240

Deuteranomaly

16.5152, 17.3073, 47.8176

Tritanomaly

13.4221, 17.5118, 33.2446

Monochromacy



Original Color

15.6302, 17.5848, 47.3702

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.5198, 12.3368, 21.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6302, 17.5848, 47.3702 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, 123, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 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, 123, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 183) }
```

Border

The CSS property to change the border of an element to XYZ 15.6302, 17.5848, 47.3702 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, 123, 183) }
```


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

```
.border{ border-color:rgb(0, 123, 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, 123, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6302, 17.5848, 47.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 183) }
```

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

```
.background{ background-color: rgb(0, 123,  
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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