

Converting Colors

XYZ(11.4533, 15.4858, 44.5889)

Have a look what the booklet for
XYZ(11.4533, 15.4858, 44.5889)
contains.

XYZ(15.1188, 17.3803, 44.6774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(15.1188, 17.3803,
44.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	007BB2
RGB	0, 123, 178
RGB Percent	0%, 48%, 70%
CMY	0.9999, 0.5176, 0.3020
CMYK	1.00, 0.31, 0.00, 0.30
HSL	199°, 100%, 35%
HSV	199°, 100%, 70%
XYZ	15.1188, 17.3803, 44.6774
YIQ	92.4930, -90.9630, -8.9710

Conversions

Conversions Part 2

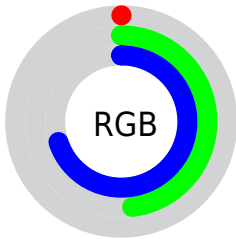
Format	Color
RYB	0, 73, 178
Decimal	31666
CIELab	48.74, -8.12, -37.01
CIELCh	49, 37.886, 257.623
Yxy	17.3803, 0.1959, 0.2252
Android (android.graphics.Color)	4278221746 (0xFF007BB2)
YUV	92.4930, 42.1550, -81.1164
Hunter-Lab	41.6897, -8.2238, -34.3563

Details

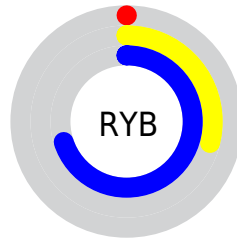
The XYZ color **15.1188, 17.3803, 44.6774** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.7279, 12.2000, 1.3159**, and the grayscale version is **10.2093, 10.7409, 11.6969**.

A 20% lighter version of the original color is **34.5949, 38.8758, 83.5223**, and **6.2177, 6.5128, 20.3314** is the 20% darker color. If you saturate the color by 10%, you get **15.1181, 17.3786, 44.6775**, and if you desaturate by 10%, it is **16.0671, 18.9110, 44.9233**.

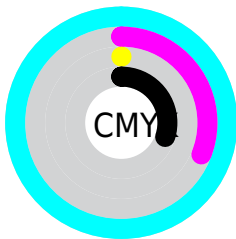
Distribution



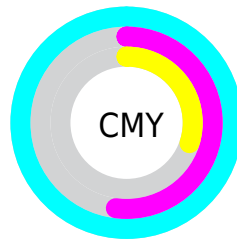
- Red (0%)
- Green (48%)
- Blue (70%)



- Red (0%)
- Yellow (29%)
- Blue (70%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1188, 17.3803, 44.6774 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 15.1188, 17.3803, 44.6774 by changing the saturation by 10% instead.

■ 15.1188, 17.3803,
44.6774

■ 15.1188, 17.3803,
44.6774

217.4583,
237.3545, 381.5874

■ 8.9897, 10.5060,
30.8623

■ 34.6314, 38.9785,
83.5494

■ 4.7915, 5.7357,
20.2364

■ 48.7456, 54.4712,
109.4434

■ 2.1589, 2.6851,
12.3812

■ 66.2521, 73.6055,
140.2008

■ 0.7210, 0.9696,
6.8782

■ 87.5165, 96.7657,
176.2401

■ 0.0000, 0.0000,
3.3088

■ 112.9039,
124.3364, 217.9799

■ 0.0000, 0.0000,
1.2544

■ 142.7798,

■ 0.0000, 0.0000,

156.7018, 265.8387

0.0239

177.5094,
194.2464, 320.2350

■ 0.0000, 0.0000,
0.0000

■ 15.1188, 17.3803,
44.6774

■ 15.1188, 17.3803,
44.6774

■ 15.1181, 17.3786,
44.6775

■ 16.0671, 18.9110,
44.9233

■ 17.2761, 20.6338,
45.1921

■ 18.8325, 22.5944,
45.4885

■ 20.7773, 24.8148,
45.8145

■ 23.1456, 27.3140,
46.1721

■ 25.9682, 30.1085,
46.5627

■ 29.2728, 33.2137,
46.9879

■ 33.0850, 36.6434,
47.4490

■ 37.4283, 40.4105,
47.9472

Harmonies

Analogous

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



12.3866, 17.3803, 37.0281



15.1188, 17.3803, 44.6774



18.6415, 17.3803, 43.8728

Triad

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



15.1188, 17.3803, 44.6774



23.7981, 17.3803, 13.6689



12.0306, 17.3803, 8.6806

Complementary

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



15.1188, 17.3803, 44.6774



19.7279, 12.2000, 1.3159

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.



14.5649, 17.3803, 5.8588



15.1188, 17.3803, 44.6774



21.4823, 17.3803, 7.9596

Square

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



15.1188, 17.3803, 44.6774



24.0020, 17.3803, 23.3624



18.0040, 17.3803, 5.6523



10.7802, 17.3803, 15.0870

Rectangle

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



15.1188, 17.3803, 44.6774



20.9770, 17.3803, 38.6585



18.0040, 17.3803, 5.6523



12.7428, 17.3803, 7.3968

Sweetspot

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



15.1195, 17.3809, 44.6778



52.7408, 59.9148, 85.1661



16.5732, 32.1022, 8.7418



11.1114, 12.7413, 18.7959



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.1195, 17.3809, 44.6778



27.2023, 31.0885, 80.9481



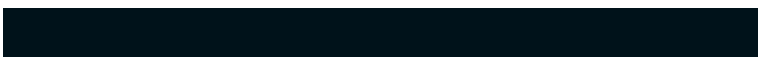
8.6558, 4.4536, 42.5233



8.5167, 9.1795, 10.8293



10.8748, 12.5500, 31.9862



0.3911, 0.4928, 1.0227

Inverse Universe

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



21.9358, 10.8958, 19.6863



39.6699, 19.7141, 35.1280



28.0940, 28.9322, 4.1046



8.7360, 8.6011, 10.1081



15.7238, 7.8071, 14.2372



0.5194, 0.2555, 0.5780

Previews

White Background



This preview shows how the XYZ color 15.1188, 17.3803, 44.6774 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 15.1188, 17.3803, 44.6774 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 15.1188, 17.3803, 44.6774

Background



This preview shows how black text looks on a background with the XYZ color 15.1188, 17.3803, 44.6774.

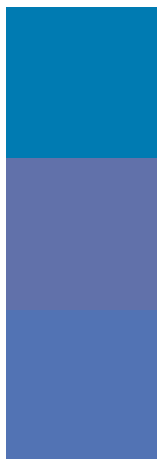


This preview shows how white text looks on a background with the XYZ color 15.1188, 17.3803,

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

15.1188, 17.3803, 44.6774

Protanopia

18.0906, 17.2539, 40.4071

Deuteranopia

17.8486, 17.3506, 45.5883

Trichromacy



Original Color

15.1188, 17.3803, 44.6774

Protanomaly

15.8907, 16.7638, 41.9334

Deuteranomaly

16.0313, 16.9416, 45.0729

Monochromacy



Original Color

15.1188, 17.3803, 44.6774

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.3920, 12.2857, 20.8924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1188, 17.3803, 44.6774 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.1188, 17.3803, 44.6774 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, 178) }
```

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

```
.border{ border-color:rgb(0, 123, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
178) }
```


Background

The CSS property to change the background color of an element to XYZ 15.1188, 17.3803, 44.6774 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, 178) }
```

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

```
.background{ background-color: rgb(0, 123,  
178) }
```

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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