

Converting Colors

XYZ(7.8308, 13.4944, 45.9722)

Have a look what the booklet for
XYZ(7.8308, 13.4944, 45.9722)
contains.

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Color

**XYZ(15.3000, 17.2553,
46.2403)**

Conversions

Conversions Part 1

Format	Color
Hex	007AB5
RGB	0, 122, 181
RGB Percent	0%, 48%, 71%
CMY	0.9999, 0.5216, 0.2902
CMYK	1.00, 0.33, 0.00, 0.29
HSL	200°, 100%, 35%
HSV	200°, 100%, 71%
XYZ	15.3000, 17.2553, 46.2403
YIQ	92.2480, -91.6510, -7.5150

Conversions

Conversions Part 2

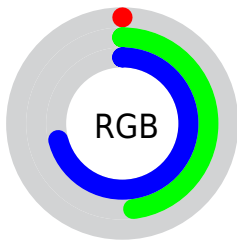
Format	Color
RYB	0, 73, 181
Decimal	31413
CIELab	48.58, -6.37, -38.99
CIELCh	49, 39.504, 260.718
Yxy	17.2553, 0.1942, 0.2190
Android (android.graphics.Color)	4278221493 (0xFF007AB5)
YUV	92.2480, 43.7547, -80.9015
Hunter-Lab	41.5395, -6.9483, -36.9219

Details

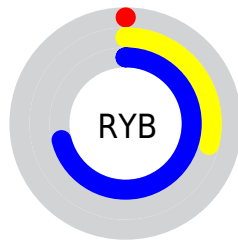
The XYZ color **15.3000, 17.2553, 46.2403** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.6219, 12.9549, 1.4145**, and the grayscale version is **10.1495, 10.6781, 11.6285**.

A 20% lighter version of the original color is **34.8357, 38.6618, 85.7472**, and **6.3451, 6.4561, 21.3338** is the 20% darker color. If you saturate the color by 10%, you get **15.2991, 17.2532, 46.2403**, and if you desaturate by 10%, it is **16.2989, 18.8790, 46.5014**.

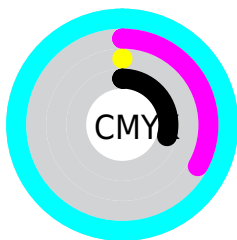
Distribution



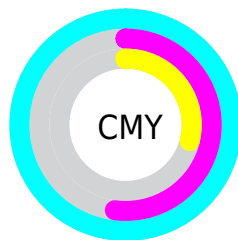
- Red (0%)
- Green (48%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (52%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3000, 17.2553, 46.2403 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 15.3000, 17.2553, 46.2403 by changing the saturation by 10% instead.

■ 15.3000, 17.2553,
46.2403

■ 15.3000, 17.2553,
46.2403

■ 218.5275,
236.6393, 388.0795

■ 9.1179, 10.4167,
32.0855

■ 34.9460, 38.7642,
85.9166

■ 4.8759, 5.6761,
21.1614

■ 49.1405, 54.2033,
112.2751

■ 2.2086, 2.6491,
13.0497

■ 66.7366, 73.2780,
143.5386

■ 0.7473, 0.9514,
7.3316

■ 88.0996, 96.3727,
180.1256

■ 0.0000, 0.0000,
3.5888

■ 113.5948,
123.8717, 222.4546

■ 0.0000, 0.0000,
1.4026

■ 143.5876,

■ 0.0000, 0.0000,

156.1596, 270.9443

0.1437

178.4434,
193.6207, 326.0131

■ 0.0000, 0.0000,
0.0000

■ 15.3000, 17.2553,
46.2403

■ 15.3000, 17.2553,
46.2403

■ 15.2991, 17.2532,
46.2403

■ 16.2989, 18.8790,
46.5014

■ 17.5741, 20.7113,
46.7879

■ 19.2146, 22.7995,
47.1045

■ 21.2634, 25.1668,
47.4534

■ 23.7571, 27.8331,
47.8367

■ 26.7278, 30.8160,
48.2558

■ 30.2048, 34.1315,
48.7125

■ 34.2147, 37.7943,
49.2082

■ 38.7820, 41.8181,
49.7441

Harmonies

Analogous

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



12.3651, 17.2553, 38.9067



15.3000, 17.2553, 46.2403



18.9969, 17.2553, 44.3857

Triad

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



15.3000, 17.2553, 46.2403



23.8369, 17.2553, 12.5644



11.5679, 17.2553, 8.7581

Complementary

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



15.3000, 17.2553, 46.2403



20.6219, 12.9549, 1.4145

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.



14.0524, 17.2553, 5.6042



15.3000, 17.2553, 46.2403



21.2306, 17.2553, 7.1710

Square

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



15.3000, 17.2553, 46.2403



24.3019, 17.2553, 22.2016



17.5528, 17.2553, 5.1563



10.4297, 17.2553, 15.7437

Rectangle

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



15.3000, 17.2553, 46.2403



21.3903, 17.2553, 38.3856



17.5528, 17.2553, 5.1563



12.2544, 17.2553, 7.3419

Sweetspot

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



15.3007, 17.2559, 46.2407



53.7503, 60.8057, 87.1983



17.2714, 33.3470, 9.4415



11.0393, 12.5971, 18.7719



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.



15.3007, 17.2559, 46.2407



27.1844, 30.4686, 82.7429



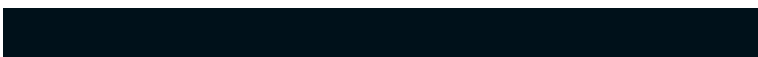
8.8906, 4.4357, 44.1041



8.5045, 9.1552, 10.8252



10.6119, 12.0242, 31.8986



0.3843, 0.4791, 1.0205

Inverse Universe

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



22.5695, 11.2297, 19.3908



40.3106, 20.0668, 34.1491



29.6185, 30.9482, 4.4134



8.7298, 8.5987, 10.0758



15.5911, 7.7540, 13.5384



0.5160, 0.2541, 0.5599

Previews

White Background



This preview shows how the XYZ color 15.3000, 17.2553, 46.2403 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 15.3000, 17.2553, 46.2403 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 15.3000, 17.2553, 46.2403

Background



This preview shows how black text looks on a background with the XYZ color 15.3000, 17.2553, 46.2403.



This preview shows how white text looks on a background with the XYZ color 15.3000, 17.2553,

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

15.3000, 17.2553, 46.2403

Protanopia

18.0640, 17.2071, 41.9044

Deuteranopia

17.7385, 17.2581, 47.1960



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

15.3000, 17.2553, 46.2403

Protanomaly

15.9453, 16.5860, 43.4353

Deuteranomaly

16.1886, 16.9872, 46.6816

Tritanomaly

13.2106, 17.2216, 32.7648

Monochromacy



Original Color

15.3000, 17.2553, 46.2403

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2920, 12.0855, 20.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3000, 17.2553, 46.2403 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, 122, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 181)  
}
```

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, 122, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 181) }
```

Border

The CSS property to change the border of an element to XYZ 15.3000, 17.2553, 46.2403 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, 122, 181) }
```


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

```
.border{ border-color:rgb(0, 122, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3000, 17.2553, 46.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 181) }
```

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

```
.background{ background-color: rgb(0, 122,  
181) }
```

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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