

Converting Colors

XYZ(11.7692, 16.3080, 44.4447)

Have a look what the booklet for
XYZ(11.7692, 16.3080, 44.4447)
contains.

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Color

**XYZ(15.4967, 18.1361,
44.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	007EB2
RGB	0, 126, 178
RGB Percent	0%, 49%, 70%
CMY	0.9999, 0.5059, 0.3020
CMYK	1.00, 0.29, 0.00, 0.30
HSL	198°, 100%, 35%
HSV	198°, 100%, 70%
XYZ	15.4967, 18.1361, 44.8033
YIQ	94.2540, -91.7880, -10.5400

Conversions

Conversions Part 2

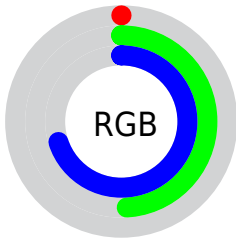
Format	Color
RYB	0, 74, 178
Decimal	32434
CIELab	49.66, -9.87, -35.55
CIELCh	50, 36.894, 254.485
Yxy	18.1361, 0.1976, 0.2312
Android (android.graphics.Color)	4278222514 (0xFF007EB2)
YUV	94.2540, 41.2868, -82.6608
Hunter-Lab	42.5865, -9.5724, -32.5657

Details

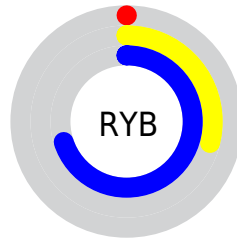
The XYZ color **15.4967, 18.1361, 44.8033** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.5896, 11.9236, 1.2698**, and the grayscale version is **10.6226, 11.1758, 12.1704**.

A 20% lighter version of the original color is **35.3850, 40.4560, 83.7857**, and **6.3555, 6.7884, 20.3774** is the 20% darker color. If you saturate the color by 10%, you get **15.4959, 18.1344, 44.8034**, and if you desaturate by 10%, it is **16.4257, 19.6284, 45.0428**.

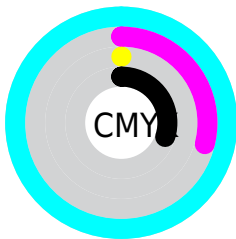
Distribution



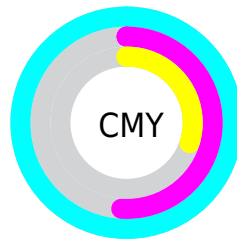
- Red (0%)
- Green (49%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4967, 18.1361, 44.8033 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 15.4967, 18.1361, 44.8033 by changing the saturation by 10% instead.

■ 15.4967, 18.1361,
44.8033

■ 15.4967, 18.1361,
44.8033

219.6825,
241.6371, 382.1132

■ 9.2573, 11.0477,
30.9607

■ 35.2868, 40.2691,
83.7405

■ 4.9678, 6.0990,
20.3107

■ 49.5681, 56.0825,
109.6721

■ 2.2630, 2.9053,
12.4348

■ 67.2609, 75.5731,
140.4706

■ 0.7756, 1.0825,
6.9144

■ 88.7303, 99.1252,
176.5543

■ 0.0000, 0.0000,
3.3310

■ 114.3419,
127.1233, 218.3419

■ 0.0000, 0.0000,
1.2660

■ 144.4608,

■ 0.0000, 0.0000,

159.9517, 266.2519

0.0337

179.4526,
197.9948, 320.7028

■ 0.0000, 0.0000,
0.0000

■ 15.4967, 18.1361,
44.8033

■ 15.4967, 18.1361,
44.8033

■ 15.4959, 18.1344,
44.8034

■ 16.4257, 19.6284,
45.0428

■ 17.6117, 21.3049,
45.3039

■ 19.1410, 23.2113,
45.5912

■ 21.0547, 25.3694,
45.9069

■ 23.3877, 27.7979,
46.2527

■ 26.1707, 30.5133,
46.6301

■ 29.4314, 33.5307,
47.0407

■ 33.1953, 36.8638,
47.4857

■ 37.4858, 40.5253,
47.9663

Harmonies

Analogous

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



12.8618, 18.1361, 36.6001



15.4967, 18.1361, 44.8033



18.9795, 18.1361, 44.9587

Triad

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



15.4967, 18.1361, 44.8033



24.6233, 18.1361, 15.3011



12.9324, 18.1361, 8.9275

Complementary

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



15.4967, 18.1361, 44.8033



19.5896, 11.9236, 1.2698

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.



15.6061, 18.1361, 6.3322



15.4967, 18.1361, 44.8033



22.5085, 18.1361, 9.0729

Square

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



15.4967, 18.1361, 44.8033



24.5835, 18.1361, 25.3749



19.1047, 18.1361, 6.3744



11.5239, 18.1361, 15.0198

Rectangle

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



15.4967, 18.1361, 44.8033



21.3433, 18.1361, 40.3188



19.1047, 18.1361, 6.3744



13.6958, 18.1361, 7.7253

Sweetspot

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



15.4974, 18.1367, 44.8038



53.0325, 60.4983, 85.2634



16.5065, 32.0755, 8.3904



11.1836, 12.8856, 18.8200



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.



15.4974, 18.1367, 44.8038



27.8930, 32.4698, 81.1784



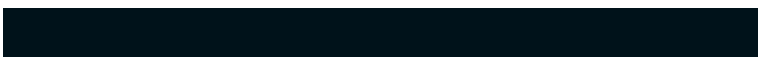
8.7484, 4.6388, 42.5541



8.5288, 9.2037, 10.8333



11.1437, 13.0878, 32.0759



0.3980, 0.5066, 1.0250

Inverse Universe

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



22.1266, 10.9721, 20.6908



40.0185, 19.8536, 36.9637



27.6569, 28.0581, 3.9589



8.7421, 8.6036, 10.1403



15.8595, 7.8614, 14.9519



0.5229, 0.2569, 0.5964

Previews

White Background



This preview shows how the XYZ color 15.4967, 18.1361, 44.8033 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 15.4967, 18.1361, 44.8033 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 15.4967, 18.1361, 44.8033

Background



This preview shows how black text looks on a background with the XYZ color 15.4967, 18.1361, 44.8033.

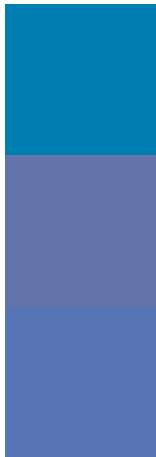


This preview shows how white text looks on a background with the XYZ color 15.4967, 18.1361,

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

15.4967, 18.1361, 44.8033

Protanopia

18.7566, 18.1024, 40.5357

Deuteranopia

18.5300, 18.0441, 45.6862



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

15.4967, 18.1361, 44.8033

Protanomaly

16.3736, 17.5401, 42.0577

Deuteranomaly

16.4287, 17.4998, 45.1597

Tritanomaly

13.6830, 18.0336, 33.3315

Monochromacy



Original Color

15.4967, 18.1361, 44.8033

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.7192, 12.7494, 21.2980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4967, 18.1361, 44.8033 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.4967, 18.1361, 44.8033 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, 178) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4967, 18.1361, 44.8033 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, 178) }
```

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

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