

Converting Colors

XYZ(4.7906, 12.9110, 44.3335)

Have a look what the booklet for
XYZ(4.7906, 12.9110, 44.3335)
contains.

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Color

**XYZ(15.7551, 18.6527,
44.8894)**

Conversions

Conversions Part 1

Format	Color
Hex	0080B2
RGB	0, 128, 178
RGB Percent	0%, 50%, 70%
CMY	0.9998, 0.4980, 0.3020
CMYK	1.00, 0.28, 0.00, 0.30
HSL	197°, 100%, 35%
HSV	197°, 100%, 70%
XYZ	15.7551, 18.6527, 44.8894
YIQ	95.4280, -92.3380, -11.5860

Conversions

Conversions Part 2

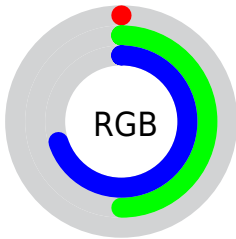
Format	Color
RYB	0, 74, 178
Decimal	32946
CIELab	50.28, -11.02, -34.58
CIELCh	50, 36.294, 252.322
Yxy	18.6527, 0.1987, 0.2352
Android (android.graphics.Color)	4278223026 (0xFF0080B2)
YUV	95.4280, 40.7080, -83.6904
Hunter-Lab	43.1888, -10.4642, -31.3925

Details

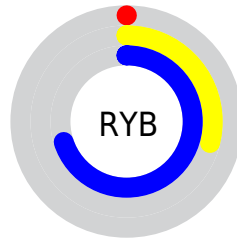
The XYZ color **15.7551, 18.6527, 44.8894** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.5027, 11.7497, 1.2411**, and the grayscale version is **10.9041, 11.4719, 12.4929**.

A 20% lighter version of the original color is **35.7888, 41.2636, 83.9203**, and **6.4977, 7.0726, 20.4247** is the 20% darker color. If you saturate the color by 10%, you get **15.7539, 18.6502, 44.8894**, and if you desaturate by 10%, it is **16.6703, 20.1171, 45.1242**.

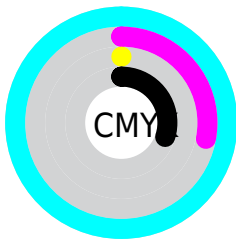
Distribution



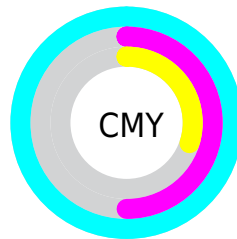
- Red (0%)
- Green (50%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7551, 18.6527, 44.8894 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 15.7551, 18.6527, 44.8894 by changing the saturation by 10% instead.

■ 15.7551, 18.6527,
44.8894

■ 15.7551, 18.6527,
44.8894

221.1912,
244.5247, 382.4725

■ 9.4408, 11.4196,
31.0280

■ 35.7334, 41.1464,
83.8711

■ 5.0892, 6.3498,
20.3615

■ 50.1281, 57.1758,
109.8285

■ 2.3350, 3.0589,
12.4714

■ 67.9470, 76.9061,
140.6550

■ 0.8125, 1.1626,
6.9392

■ 89.5553, 100.7217,
176.7691

■ 0.0000, 0.0308,
3.3462

■ 115.3186,
129.0069, 218.5893

■ 0.0000, 0.0000,
1.2740

■ 145.6021,

■ 0.0000, 0.0000,

162.1463, 266.5343

0.0404

180.7711,
200.5240, 321.0225

■ 0.0000, 0.0000,
0.0000

■ 15.7551, 18.6527,
44.8894

■ 15.7551, 18.6527,
44.8894

■ 15.7539, 18.6502,
44.8894

■ 16.6703, 20.1171,
45.1242

■ 17.8399, 21.7609,
45.3799

■ 19.3505, 23.6295,
45.6609

■ 21.2429, 25.7446,
45.9694

■ 23.5519, 28.1248,
46.3072

■ 26.3082, 30.7865,
46.6757

■ 29.5396, 33.7447,
47.0763

■ 33.2713, 37.0130,
47.5105

■ 37.5268, 40.6039,
47.9793

Harmonies

Analogous

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



13.1875, 18.6527, 36.3237



15.7551, 18.6527, 44.8894



19.2102, 18.6527, 45.6882

Triad

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



15.7551, 18.6527, 44.8894



25.1834, 18.6527, 16.4535



13.5575, 18.6527, 9.0986

Complementary

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



15.7551, 18.6527, 44.8894



19.5027, 11.7497, 1.2411

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.



16.3256, 18.6527, 6.6635



15.7551, 18.6527, 44.8894



23.2087, 18.6527, 9.8680

Square

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



15.7551, 18.6527, 44.8894



24.9774, 18.6527, 26.7710



19.8609, 18.6527, 6.8886



12.0388, 18.6527, 14.9818

Rectangle

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



15.7551, 18.6527, 44.8894



21.5926, 18.6527, 41.4444



19.8609, 18.6527, 6.8886



14.3559, 18.6527, 7.9530

Sweetspot

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



15.7558, 18.6533, 44.8899



53.2279, 60.8890, 85.3285



16.4442, 32.0506, 8.0617



11.2319, 12.9823, 18.8361



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.



15.7558, 18.6533, 44.8899



28.3646, 33.4130, 81.3356



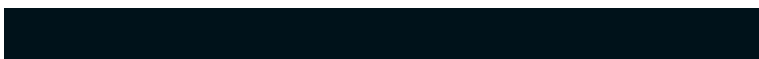
8.8490, 4.8398, 42.5876



8.5368, 9.2199, 10.8360



11.3272, 13.4547, 32.1370



0.4027, 0.5159, 1.0266

Inverse Universe

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



22.2571, 11.0245, 21.3774



40.2565, 19.9488, 38.2173



27.2319, 27.2079, 3.8175



8.7462, 8.6052, 10.1618



15.9521, 7.8984, 15.4395



0.5253, 0.2579, 0.6089

Previews

White Background



This preview shows how the XYZ color 15.7551, 18.6527, 44.8894 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7551, 18.6527, 44.8894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

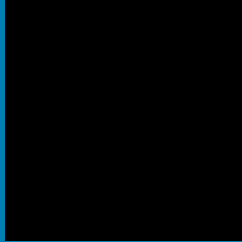
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7551, 18.6527, 44.8894

Background



This preview shows how black text looks on a background with the XYZ color 15.7551, 18.6527, 44.8894.

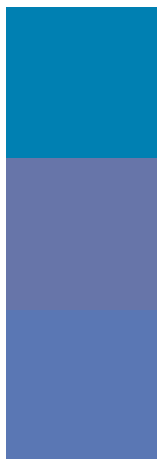


This preview shows how white text looks on a background with the XYZ color 15.7551, 18.6527,

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

15.7551, 18.6527, 44.8894

Protanopia

19.1162, 18.4707, 40.0938

Deuteranopia

19.0515, 18.6626, 45.7781



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

15.7551, 18.6527, 44.8894

Protanomaly

16.5305, 17.8116, 41.5964

Deuteranomaly

16.7836, 18.0436, 45.2460

Tritanomaly

14.0327, 18.5992, 33.8607

Monochromacy



Original Color

15.7551, 18.6527, 44.8894

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.8228, 12.9567, 21.3325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7551, 18.6527, 44.8894 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, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 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, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.7551, 18.6527, 44.8894 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, 128, 178) }
```


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

```
.border{ border-color:rgb(0, 128, 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, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7551, 18.6527, 44.8894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 178) }
```

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

```
.background{ background-color: rgb(0, 128,  
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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