

Converting Colors

XYZ(15.5723, 19.0141, 42.5877)

Have a look what the booklet for
XYZ(15.5723, 19.0141, 42.5877)
contains.

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Color

**XYZ(15.5255, 18.9824,
42.3809)**

Conversions

Conversions Part 1

Format	Color
Hex	0082AD
RGB	0, 130, 173
RGB Percent	0%, 51%, 68%
CMY	0.9999, 0.4902, 0.3216
CMYK	1.00, 0.25, 0.00, 0.32
HSL	195°, 100%, 34%
HSV	195°, 100%, 68%
XYZ	15.5255, 18.9824, 42.3809
YIQ	96.0320, -91.2830, -14.1870

Conversions

Conversions Part 2

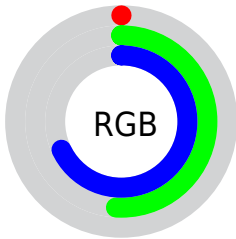
Format	Color
RYB	0, 74, 173
Decimal	33453
CIELab	50.67, -14.04, -31.08
CIElCh	51, 34.106, 245.700
Yxy	18.9824, 0.2019, 0.2469
Android (android.graphics.Color)	4278223533 (0xFF0082AD)
YUV	96.0320, 37.9452, -84.2201
Hunter-Lab	43.5688, -12.6379, -27.1753

Details

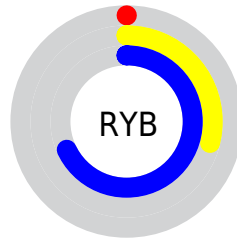
The XYZ color **15.5255, 18.9824, 42.3809** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.0991, 10.6147, 1.0959**, and the grayscale version is **11.0555, 11.6312, 12.6664**.

A 20% lighter version of the original color is **35.3907, 41.7483, 80.3217**, and **6.3326, 7.2409, 18.8332** is the 20% darker color. If you saturate the color by 10%, you get **15.5246, 18.9805, 42.3810**, and if you desaturate by 10%, it is **16.3471, 20.2733, 42.5872**.

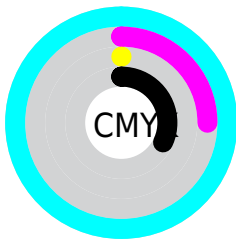
Distribution



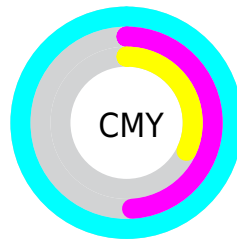
- Red (0%)
- Green (51%)
- Blue (68%)



- Red (0%)
- Yellow (29%)
- Blue (68%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5255, 18.9824, 42.3809 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 15.5255, 18.9824, 42.3809 by changing the saturation by 10% instead.

■ 15.5255, 18.9824,
42.3809

■ 15.5255, 18.9824,
42.3809

■ 219.8511,
246.3516, 371.9056

■ 9.2777, 11.6576,
29.0719

■ 35.3366, 41.7044,
80.0521

■ 4.9813, 6.5110,
18.8891

■ 49.6306, 57.8703,
105.2513

■ 2.2710, 3.1582,
11.4142

■ 67.3375, 77.7520,
135.2510

■ 0.7797, 1.2149,
6.2285

■ 88.8225, 101.7339,
170.4697

■ 0.0000, 0.0738,
2.9135

■ 114.4510,
130.2004, 211.3260

■ 0.0000, 0.0000,
1.0506

■ 144.5884,

■ 0.0000, 0.0000,

163.5360, 258.2384

0.0000

179.6000,
202.1249, 311.6254

■ 15.5255, 18.9824,
42.3809

■ 15.5255, 18.9824,
42.3809

■ 15.5246, 18.9805,
42.3810

■ 16.3471, 20.2733,
42.5872

■ 17.3990, 21.7186,
42.8107

■ 18.7638, 23.3616,
43.0559

■ 20.4795, 25.2222,
43.3246

■ 22.5783, 27.3174,
43.6184

■ 25.0888, 29.6624,
43.9387

■ 28.0365, 32.2707,
44.2868

■ 31.4450, 35.1549,
44.6638

■ 35.3361, 38.3265,
45.0709

Harmonies

Analogous

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



13.3118, 18.9824, 33.3713



15.5255, 18.9824, 42.3809



18.6878, 18.9824, 44.9140

Triad

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



15.5255, 18.9824, 42.3809



25.2195, 18.9824, 18.8947



14.5470, 18.9824, 9.0384

Complementary

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



15.5255, 18.9824, 42.3809



18.0991, 10.6147, 1.0959

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.



17.4117, 18.9824, 7.2343



15.5255, 18.9824, 42.3809



23.7783, 18.9824, 11.6840

Square

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



15.5255, 18.9824, 42.3809



24.5535, 18.9824, 29.2022



20.8172, 18.9824, 8.0260



12.7976, 18.9824, 13.9841

Rectangle

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



15.5255, 18.9824, 42.3809



20.9740, 18.9824, 42.0751



20.8172, 18.9824, 8.0260



15.3972, 18.9824, 8.1275

Sweetspot

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



15.5262, 18.9830, 42.3814



49.9032, 57.5279, 79.2796



15.3339, 30.0436, 7.0336



10.3609, 12.0786, 17.1730



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.5262, 18.9830, 42.3814



27.6251, 33.6360, 75.8422



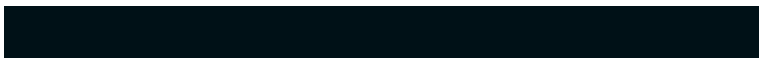
8.5266, 4.9839, 40.0482



8.0652, 8.7297, 10.2126



11.4518, 14.0375, 31.1504



0.3584, 0.4702, 0.8799

Inverse Universe

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



21.2635, 10.4968, 22.0250



37.9898, 18.7614, 38.9654



24.8074, 24.0313, 3.3320



8.2507, 8.1135, 9.6310



15.6440, 7.7201, 16.3026



0.4553, 0.2228, 0.5594

Previews

White Background



This preview shows how the XYZ color 15.5255, 18.9824, 42.3809 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 15.5255, 18.9824, 42.3809 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 15.5255, 18.9824, 42.3809

Background



This preview shows how black text looks on a background with the XYZ color 15.5255, 18.9824, 42.3809.

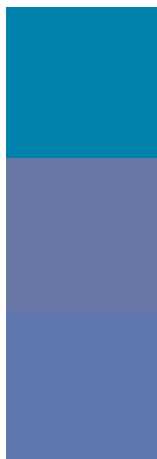


This preview shows how white text looks on a background with the XYZ color 15.5255, 18.9824,

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

15.5255, 18.9824, 42.3809

Protanopia

19.3611, 18.9998, 37.7688

Deuteranopia

19.3631, 18.8696, 43.6960



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

15.5255, 18.9824, 42.3809

Protanomaly

16.4419, 18.1849, 39.2027

Deuteranomaly

16.8074, 18.2852, 43.2010

Tritanomaly

14.3039, 19.1416, 33.9512

Monochromacy



Original Color

15.5255, 18.9824, 42.3809

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9251, 13.1725, 21.0355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5255, 18.9824, 42.3809 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, 130, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 173)  
}
```

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, 130, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 173) }
```

Border

The CSS property to change the border of an element to XYZ 15.5255, 18.9824, 42.3809 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, 130, 173) }
```


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

```
.border{ border-color:rgb(0, 130, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5255, 18.9824, 42.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 173) }
```

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

```
.background{ background-color: rgb(0, 130,  
173) }
```

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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