

Converting Colors

XYZ(15.3977, 17.5941, 39.7385)

Have a look what the booklet for
XYZ(15.3977, 17.5941, 39.7385)
contains.

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Color

**XYZ(15.4175, 17.6460,
39.6392)**

Conversions

Conversions Part 1

Format	Color
Hex	317BA8
RGB	49, 123, 168
RGB Percent	19%, 48%, 66%
CMY	0.8078, 0.5176, 0.3412
CMYK	0.71, 0.27, 0.00, 0.34
HSL	203°, 55%, 43%
HSV	203°, 71%, 66%
XYZ	15.4175, 17.6460, 39.6392
YIQ	106.0040, -58.5490, -1.6930

Conversions

Conversions Part 2

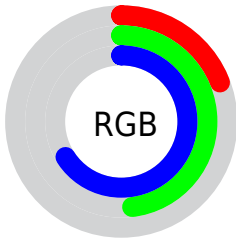
Format	Color
R_{YB}	49, 95, 168
Decimal	3242920
CIE Lab	49.06, -7.76, -30.63
CIE LCh	49, 31.597, 255.778
Yxy	17.6460, 0.2121, 0.2427
Android (android.graphics.Color)	4281433000 (0xFF317BA8)
YUV	106.0040, 30.5640, -49.9925
Hunter-Lab	42.0071, -7.9993, -26.5428

Details

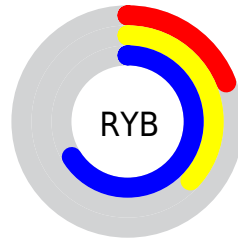
The XYZ color **15.4175, 17.6460, 39.6392** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.7066, 16.5537, 5.0106**, and the grayscale version is **13.6320, 14.3419, 15.6184**.

A 20% lighter version of the original color is **35.0797, 39.3027, 75.5493**, and **5.6012, 6.1585, 17.4165** is the 20% darker color. If you saturate the color by 10%, you get **13.9905, 15.7783, 39.3543**, and if you desaturate by 10%, it is **17.1989, 19.7729, 39.9562**.

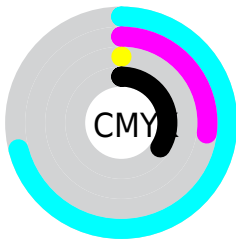
Distribution



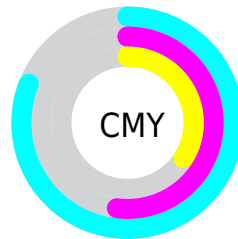
- Red (19%)
- Green (48%)
- Blue (66%)



- Red (19%)
- Yellow (37%)
- Blue (66%)



- Cyan (71%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)



- Cyan (81%)
- Magenta (52%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4175, 17.6460, 39.6392 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 15.4175, 17.6460, 39.6392 by changing the saturation by 10% instead.

■ 15.4175, 17.6460,
39.6392

■ 15.4175, 17.6460,
39.6392

219.2181,
238.8681, 360.1073

■ 9.2011, 10.6961,
26.9457

■ 35.1496, 39.4332,
75.8449

■ 4.9308, 5.8629,
17.3004

■ 49.3961, 55.0393,
100.1941

■ 2.2410, 2.7619,
10.2847

■ 67.0500, 74.2996,
129.2657

■ 0.7642, 1.0087,
5.4800

■ 88.4767, 97.5985,
163.4781

■ 0.0000, 0.0000,
2.4680

■ 114.0414,
125.3204, 203.2499

■ 0.0000, 0.0000,
0.8231

144.1097,

■ 0.0000, 0.0000,

157.8497, 248.9997

0.0000

179.0468,
195.5708, 301.1460

■ 15.4175, 17.6460,
39.6392

■ 15.4175, 17.6460,
39.6392

■ 13.9905, 15.7783,
39.3543

■ 17.1989, 19.7729,
39.9562

■ 12.8794, 14.1477,
39.0981

■ 19.3639, 22.1746,
40.3057

■ 12.0654, 12.8222,
38.8851

■ 21.9405, 24.8672,
40.6896

■ 24.9533, 27.8647,
41.1094

■ 28.4251, 31.1800,
41.5663

■ 32.3767, 34.8253,
42.0616

■ 36.8278, 38.8119,
42.5965

■ 41.7968, 43.1504,
43.1721

■ 47.3013, 47.8512,
43.7893

Harmonies

Analogous

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



13.1208, 17.6460, 33.3551



15.4175, 17.6460, 39.6392



18.3612, 17.6460, 39.4544

Triad

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



15.4175, 17.6460, 39.6392



22.8401, 17.6460, 15.1283



13.0286, 17.6460, 9.9691

Complementary

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



15.4175, 17.6460, 39.6392



20.7066, 16.5537, 5.0106

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.



15.2773, 17.6460, 7.4421



15.4175, 17.6460, 39.6392



21.0445, 17.6460, 9.7691

Square

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



15.4175, 17.6460, 39.6392



22.8891, 17.6460, 23.4844



18.2036, 17.6460, 7.3816



11.8551, 17.6460, 15.4946

Rectangle

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



15.4175, 17.6460, 39.6392



20.3094, 17.6460, 35.6240



18.2036, 17.6460, 7.3816



13.6712, 17.6460, 8.8226

Sweetspot

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



15.4181, 17.6466, 39.6396



51.2073, 56.2294, 75.3795



17.2297, 29.4427, 15.0473



10.7845, 11.9001, 16.3807



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.4181, 17.6466, 39.6396



24.1664, 26.8856, 71.1408



10.2181, 7.2466, 37.9063



7.5056, 8.0482, 9.5762



9.1618, 9.7837, 29.3811



0.2698, 0.3318, 0.7305

Inverse Universe

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



20.8225, 11.9524, 19.9489



35.2541, 18.3523, 30.0371



27.9534, 31.0471, 7.4261



7.7198, 7.6178, 8.8417



14.1250, 7.0587, 10.7359



0.3673, 0.1812, 0.3858

Previews

White Background



This preview shows how the XYZ color 15.4175, 17.6460, 39.6392 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 15.4175, 17.6460, 39.6392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

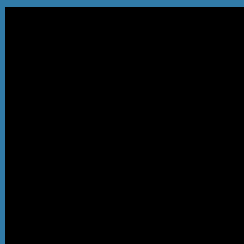
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

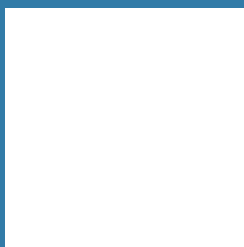
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4175, 17.6460, 39.6392

Background



This preview shows how black text looks on a background with the XYZ color 15.4175, 17.6460, 39.6392.

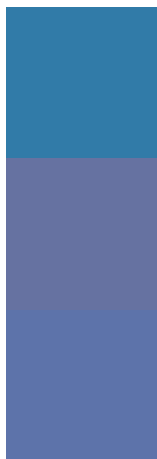


This preview shows how white text looks on a background with the XYZ color 15.4175, 17.6460,

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

15.4175, 17.6460, 39.6392

Protanopia

17.9298, 17.4326, 36.1380

Deuteranopia

17.9006, 17.4909, 40.4628



Tritanopia

12.8054, 17.5220, 27.1333

Trichromacy



Original Color

15.4175, 17.6460, 39.6392

Protanomaly

16.6294, 17.2419, 37.5735

Deuteranomaly

16.7004, 17.3992, 40.0143

Tritanomaly

13.6256, 17.4638, 31.5069

Monochromacy



Original Color

15.4175, 17.6460, 39.6392

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5029, 15.1046, 22.9727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4175, 17.6460, 39.6392 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(49, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(49, 123, 168)  
}
```

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(49, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 123, 168) }
```

Border

The CSS property to change the border of an element to XYZ 15.4175, 17.6460, 39.6392 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(49, 123, 168) }
```


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

```
.border{ border-color:rgb(49, 123, 168) }
```

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

Here you see how a box with a 4 pixel rgb(49, 123, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 123, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 123, 168);  
box-shadow:4px 4px 4px 4px rgb(49, 123,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4175, 17.6460, 39.6392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 123, 168) }
```

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

```
.background{ background-color: rgb(49, 123,  
168) }
```

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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