

Converting Colors

XYZ(15.9454, 18.2221, 38.9262)

Have a look what the booklet for
XYZ(15.9454, 18.2221, 38.9262)
contains.

XYZ(15.9615, 18.3199, 38.7712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9615, 18.3199,
38.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7DA6
RGB	58, 125, 166
RGB Percent	23%, 49%, 65%
CMY	0.7725, 0.5098, 0.3490
CMYK	0.65, 0.25, 0.00, 0.35
HSL	203°, 48%, 44%
HSV	203°, 65%, 65%
XYZ	15.9615, 18.3199, 38.7712
YIQ	109.6410, -53.0930, -1.4530

Conversions

Conversions Part 2

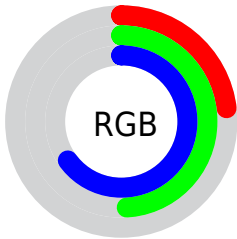
Format	Color
R_{YB}	58, 99, 166
Decimal	3833254
CIE _{Lab}	49.88, -8.12, -28.17
CIE _{LCh}	50, 29.315, 253.923
Yxy	18.3199, 0.2185, 0.2508
Android (android.graphics.Color)	4282023334 (0xFF3A7DA6)
YUV	109.6410, 27.7850, -45.2892
Hunter-Lab	42.8018, -8.3374, -23.7456

Details

The XYZ color **15.9615, 18.3199, 38.7712** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.9524, 17.3375, 6.2461**, and the grayscale version is **14.6530, 15.4161, 16.7882**.

A 20% lighter version of the original color is **36.1740, 40.7743, 74.3703**, and **5.6217, 6.3838, 16.8555** is the 20% darker color. If you saturate the color by 10%, you get **14.3749, 16.3552, 38.4760**, and if you desaturate by 10%, it is **17.9112, 20.5475, 39.0988**.

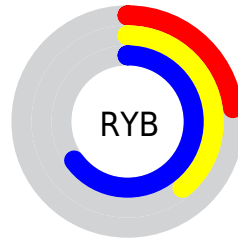
Distribution



Red (23%)

Green (49%)

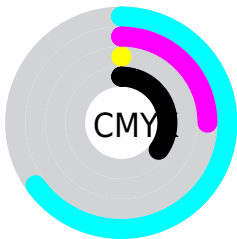
Blue (65%)



Red (23%)

Yellow (39%)

Blue (65%)

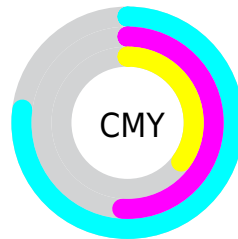


Cyan (65%)

Magenta (25%)

Yellow (0%)

Black (35%)



Cyan (77%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9615, 18.3199, 38.7712 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 15.9615, 18.3199, 38.7712 by changing the saturation by 10% instead.

■ 15.9615, 18.3199,
38.7712

■ 15.9615, 18.3199,
38.7712

222.3893,
242.6680, 356.3136

■ 9.5876, 11.1799,
26.2753

■ 36.0893, 40.5817,
74.5051

■ 5.1865, 6.1880,
16.8021

■ 50.5740, 56.4722,
98.5803

■ 2.3930, 2.9597,
9.9330

■ 68.4929, 76.0485,
127.3523

■ 0.8416, 1.1107,
5.2496

■ 90.2115, 99.6947,
161.2396

■ 0.0000, 0.0000,
2.3331

■ 116.0950,
127.7954, 200.6609

■ 0.0000, 0.0000,
0.7497

146.5090,

■ 0.0000, 0.0000,

160.7349, 246.0346

0.0000

181.8186,
198.8977, 297.7794

■ 15.9615, 18.3199,
38.7712

■ 15.9615, 18.3199,
38.7712

■ 14.3749, 16.3552,
38.4760

■ 17.9112, 20.5475,
39.0988

■ 13.1172, 14.6336,
38.2099

■ 20.2499, 23.0519,
39.4589

■ 12.1496, 13.1338,
37.9715

■ 23.0033, 25.8479,
39.8535

■ 11.7312, 12.4496,
37.8614

■ 26.1941, 28.9485,
40.2838

■ 29.8434, 32.3658,
40.7510

■ 33.9707, 36.1111,
41.2564

■ 38.5945, 40.1950,
41.8010

■ 43.7321, 44.6278,
42.3858

■ 49.4001, 49.4191,
43.0119

Harmonies

Analogous

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



13.8101, 18.3199, 32.6929



15.9615, 18.3199, 38.7712



18.7426, 18.3199, 39.0056

Triad

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



15.9615, 18.3199, 38.7712



23.1885, 18.3199, 16.4571



13.9332, 18.3199, 10.7632

Complementary

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



15.9615, 18.3199, 38.7712



20.9524, 17.3375, 6.2461

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.



16.1469, 18.3199, 8.3987



15.9615, 18.3199, 38.7712



21.5925, 18.3199, 11.0375

Square

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



15.9615, 18.3199, 38.7712



23.1251, 18.3199, 24.5369



18.9489, 18.3199, 8.4833



12.7279, 18.3199, 15.9689

Rectangle

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



15.9615, 18.3199, 38.7712



20.5987, 18.3199, 35.7024



18.9489, 18.3199, 8.4833



14.5731, 18.3199, 9.6807

Sweetspot

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



15.9621, 18.3205, 38.7717



50.5361, 55.3708, 73.4994



17.5677, 29.0468, 16.1384



10.9168, 12.0215, 16.3971



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.



15.9621, 18.3205, 38.7717



25.0162, 28.2579, 69.6111



10.9721, 8.3404, 37.1083



7.5047, 8.0463, 9.5759



9.1429, 9.7461, 29.3748



0.2694, 0.3311, 0.7303

Inverse Universe

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



20.9412, 12.6146, 20.7337



35.2990, 19.0872, 31.7728



27.6536, 30.7400, 8.4799



7.7193, 7.6176, 8.8393



14.1155, 7.0549, 10.6859



0.3671, 0.1811, 0.3848

Previews

White Background



This preview shows how the XYZ color 15.9615, 18.3199, 38.7712 looks on a white background.

Color Contrast Check

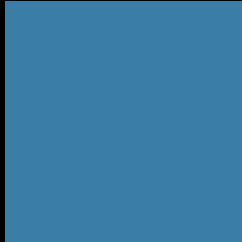
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9615, 18.3199, 38.7712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

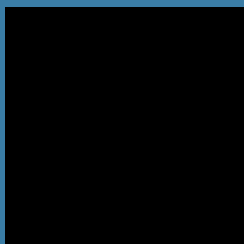
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

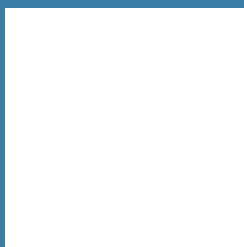
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9615, 18.3199, 38.7712

Background



This preview shows how black text looks on a background with the XYZ color 15.9615, 18.3199, 38.7712.

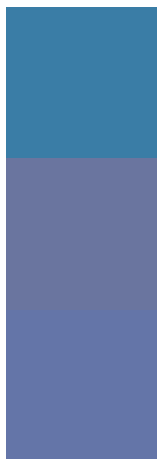


This preview shows how white text looks on a background with the XYZ color 15.9615, 18.3199,

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

15.9615, 18.3199, 38.7712

Protanopia

18.5632, 18.2900, 35.3528

Deuteranopia

18.6847, 18.2591, 39.5853



Tritanopia

13.7550, 18.3942, 27.6364

Trichromacy



Original Color

15.9615, 18.3199, 38.7712

Protanomaly

17.3579, 18.1654, 36.7738

Deuteranomaly

17.4378, 18.1543, 39.1443

Tritanomaly

14.4106, 18.2612, 31.1990

Monochromacy



Original Color

15.9615, 18.3199, 38.7712

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4744, 16.0973, 23.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9615, 18.3199, 38.7712 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(58, 125, 166)` looks like.

```
.text, #text, p{  
    color:rgb(58, 125, 166)  
}
```

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(58, 125, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 125, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.9615, 18.3199, 38.7712 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(58, 125, 166) }
```


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

```
.border{ border-color:rgb(58, 125, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 125, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 125, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 125, 166);  
box-shadow:4px 4px 4px 4px rgb(58, 125,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9615, 18.3199, 38.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 125, 166) }
```

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

```
.background{ background-color: rgb(58, 125,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor