

Converting Colors

XYZ(15.8702, 16.3656, 43.9174)

Have a look what the booklet for
XYZ(15.8702, 16.3656, 43.9174)
contains.

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Color

**XYZ(15.8702, 16.3656,
43.9174)**

Conversions

Conversions Part 1

Format	Color
Hex	3B73B1
RGB	59, 115, 177
RGB Percent	23%, 45%, 69%
CMY	0.7686, 0.5490, 0.3059
CMYK	0.67, 0.35, 0.00, 0.31
HSL	212°, 50%, 46%
HSV	212°, 67%, 69%
XYZ	15.8702, 16.3656, 43.9174
YIQ	105.3240, -53.2780, 7.4100

Conversions

Conversions Part 2

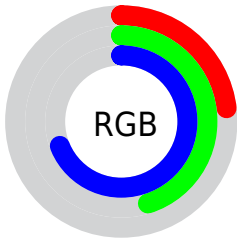
Format	Color
RYB	59, 97, 177
Decimal	3896241
CIELab	47.45, 1.83, -38.37
CIELCh	47, 38.417, 272.738
Yxy	16.3656, 0.2084, 0.2149
Android (android.graphics.Color)	4282086321 (0xFF3B73B1)
YUV	105.3240, 35.3363, -40.6261
Hunter-Lab	40.4544, -0.7700, -36.0473

Details

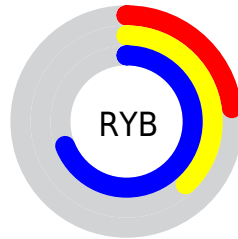
The XYZ color **15.8702, 16.3656, 43.9174** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.7594, 23.3394, 7.2860**, and the grayscale version is **13.4333, 14.1329, 15.3907**.

A 20% lighter version of the original color is **35.9979, 37.3722, 82.4071**, and **5.6452, 5.4695, 19.8270** is the 20% darker color. If you saturate the color by 10%, you get **13.9859, 13.8986, 43.5409**, and if you desaturate by 10%, it is **18.2184, 19.2310, 44.3471**.

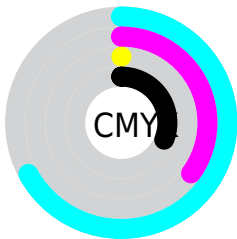
Distribution



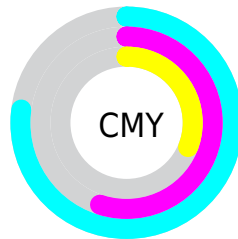
- Red (23%)
- Green (45%)
- Blue (69%)



- Red (23%)
- Yellow (38%)
- Blue (69%)



- Cyan (67%)
- Magenta (35%)
- Yellow (0%)
- Black (31%)



- Cyan (77%)
- Magenta (55%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8702, 16.3656, 43.9174 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 15.8702, 16.3656, 43.9174 by changing the saturation by 10% instead.

■ 15.8702, 16.3656,
43.9174

■ 15.8702, 16.3656,
43.9174

221.8601,
231.4895, 378.4026

■ 9.5226, 9.7832,
30.2689

■ 35.9320, 37.2317,
82.3946

■ 5.1434, 5.2555,
19.7890

■ 50.3769, 52.2843,
108.0603

■ 2.3673, 2.3979,
12.0592

■ 68.2516, 70.9291,
138.5688

■ 0.8288, 0.8248,
6.6610

■ 89.9215, 93.5504,
174.3387

■ 0.0000, 0.0000,
3.1758

■ 115.7520,
120.5327, 215.7885

■ 0.0000, 0.0000,
1.1851

146.1083,

■ 0.0000, 0.0000,

152.2604, 263.3367

0.0000

181.3559,
189.1179, 317.4019

■ 15.8702, 16.3656,
43.9174

■ 15.8702, 16.3656,
43.9174

■ 13.9859, 13.8986,
43.5409

■ 18.2184, 19.2310,
44.3471

■ 12.5228, 11.8028,
43.2135

■ 21.0641, 22.5161,
44.8312

■ 11.4261, 10.0451,
42.9320

■ 24.4395, 26.2419,
45.3724

■ 11.1059, 9.5144,
42.8464

■ 28.3735, 30.4275,
45.9730

■ 32.8928, 35.0906,
46.6348

■ 38.0221, 40.2478,
47.3599

■ 43.7848, 45.9151,
48.1501

■ 50.2028, 52.1073,
49.0070

■ 57.2972, 58.8387,
49.9324

Harmonies

Analogous

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



12.7415, 16.3656, 40.2583



15.8702, 16.3656, 43.9174



19.3760, 16.3656, 38.7341

Triad

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



15.8702, 16.3656, 43.9174



21.7459, 16.3656, 9.4731



10.4255, 16.3656, 10.5292

Complementary

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



15.8702, 16.3656, 43.9174



25.7594, 23.3394, 7.2860

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.



12.2726, 16.3656, 6.2336



15.8702, 16.3656, 43.9174



18.7550, 16.3656, 5.7990

Square

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



15.8702, 16.3656, 43.9174



23.0641, 16.3656, 16.9377



15.2440, 16.3656, 4.8763



9.8832, 16.3656, 18.7311

Rectangle

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



15.8702, 16.3656, 43.9174



21.3769, 16.3656, 31.7737



15.2440, 16.3656, 4.8763



10.8996, 16.3656, 8.6984

Sweetspot

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



15.8708, 16.3661, 43.9178



55.8071, 59.6717, 83.0717



20.9147, 33.7299, 23.1681



11.6143, 12.4364, 17.9327



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.8708, 16.3661, 43.9178



23.7263, 23.0463, 77.6932



11.4231, 7.2943, 42.4012



8.3635, 8.8731, 10.7782



8.1065, 7.0134, 31.0635



0.3136, 0.3378, 0.9969

Inverse Universe

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



22.7905, 13.7137, 17.6659



37.6815, 20.3808, 24.1482



34.1987, 40.8783, 10.2265



8.6586, 8.5702, 9.7009



14.3265, 7.2481, 6.8791



0.4803, 0.2399, 0.3721

Previews

White Background



This preview shows how the XYZ color 15.8702, 16.3656, 43.9174 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 15.8702, 16.3656, 43.9174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

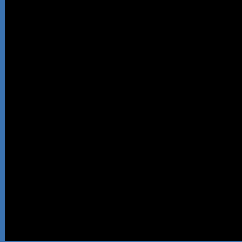
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8702, 16.3656, 43.9174

Background



This preview shows how black text looks on a background with the XYZ color 15.8702, 16.3656, 43.9174.

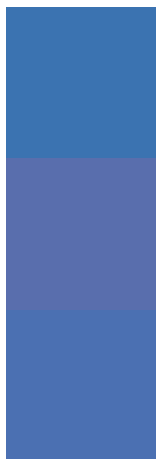


This preview shows how white text looks on a background with the XYZ color 15.8702, 16.3656,

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

15.8702, 16.3656, 43.9174

Protanopia

17.2386, 16.2928, 41.7714

Deuteranopia

16.7317, 16.2985, 44.3836



Tritanopia

12.0758, 16.4278, 25.0887

Trichromacy



Original Color

15.8702, 16.3656, 43.9174

Protanomaly

16.5760, 16.2640, 42.3100

Deuteranomaly

16.3953, 16.2898, 44.3996

Tritanomaly

13.2568, 16.3482, 31.3110

Monochromacy



Original Color

15.8702, 16.3656, 43.9174

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5899, 14.6507, 23.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8702, 16.3656, 43.9174 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(59, 115, 177)` looks like.

```
.text, #text, p{  
    color:rgb(59, 115, 177)  
}
```

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(59, 115, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 115, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.8702, 16.3656, 43.9174 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(59, 115, 177) }
```


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

```
.border{ border-color:rgb(59, 115, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 115, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 115, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 115, 177);  
box-shadow:4px 4px 4px 4px rgb(59, 115,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8702, 16.3656, 43.9174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 115, 177) }
```

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

```
.background{ background-color: rgb(59, 115,  
177) }
```

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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