

Converting Colors

XYZ(16.3460, 19.4005, 39.0870)

Have a look what the booklet for
XYZ(16.3460, 19.4005, 39.0870)
contains.

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Color

**XYZ(16.3869, 19.5027,
38.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	3682A6
RGB	54, 130, 166
RGB Percent	21%, 51%, 65%
CMY	0.7882, 0.4902, 0.3490
CMYK	0.67, 0.22, 0.00, 0.35
HSL	199°, 51%, 43%
HSV	199°, 67%, 65%
XYZ	16.3869, 19.5027, 38.9771
YIQ	111.3800, -56.8520, -4.9160

Conversions

Conversions Part 2

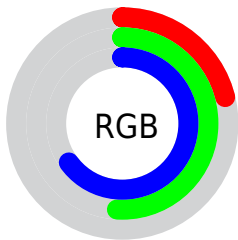
Format	Color
RYB	54, 99, 166
Decimal	3572390
CIELab	51.27, -11.67, -26.02
CIElCh	51, 28.523, 245.842
Yxy	19.5027, 0.2189, 0.2605
Android (android.graphics.Color)	4281762470 (0xFF3682A6)
YUV	111.3800, 26.9277, -50.3223
Hunter-Lab	44.1619, -11.0482, -21.4158

Details

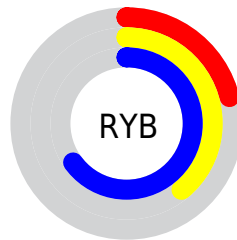
The XYZ color **16.3869, 19.5027, 38.9771** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.0487, 15.6868, 5.4621**, and the grayscale version is **15.1566, 15.9459, 17.3651**.

A 20% lighter version of the original color is **36.7947, 42.5981, 74.6896**, and **5.9797, 7.0998, 16.9748** is the 20% darker color. If you saturate the color by 10%, you get **14.9520, 17.7369, 38.7123**, and if you desaturate by 10%, it is **18.1640, 21.5003, 39.2694**.

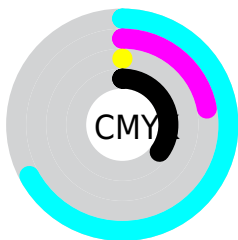
Distribution



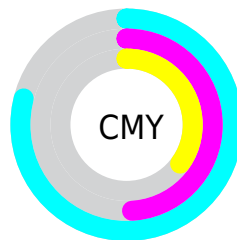
- Red (21%)
- Green (51%)
- Blue (65%)



- Red (21%)
- Yellow (39%)
- Blue (65%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)
- Black (35%)



- Cyan (79%)
- Magenta (49%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3869, 19.5027, 38.9771 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 16.3869, 19.5027, 38.9771 by changing the saturation by 10% instead.

■ 16.3869, 19.5027,
38.9771

■ 16.3869, 19.5027,
38.9771

224.8398,
249.2101, 357.2162

■ 9.8909, 12.0341,
26.4342

■ 36.8206, 42.5818,
74.8233

■ 5.3884, 6.7669,
16.9201

■ 51.4891, 58.9611,
98.9637

■ 2.5140, 3.3167,
10.0162

■ 69.6125, 79.0795,
127.8070

■ 0.9023, 1.2992,
5.3039

■ 91.5560, 103.3212,
161.7717

■ 0.0000, 0.1406,
2.3648

■ 117.6852,
132.0707, 201.2765

■ 0.0000, 0.0000,
0.7672

148.3653,

■ 0.0000, 0.0000,

165.7124, 246.7398

0.0000

183.9617,
204.6308, 298.5802

■ 16.3869, 19.5027,
38.9771

■ 16.3869, 19.5027,
38.9771

■ 14.9520, 17.7369,
38.7123

■ 18.1640, 21.5003,
39.2694

■ 13.8244, 16.1829,
38.4717

■ 20.3097, 23.7430,
39.5892

■ 12.9523, 14.8136,
38.2534

■ 22.8499, 26.2454,
39.9383

■ 12.7483, 14.4837,
38.2005

■ 25.8076, 29.0200,
40.3180

■ 29.2038, 32.0784,
40.7293

■ 33.0582, 35.4315,
41.1734

■ 37.3889, 39.0893,
41.6512

■ 42.2135, 43.0617,
42.1636

■ 47.5481, 47.3577,
42.7117

Harmonies

Analogous

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



14.4465, 19.5027, 31.7932



16.3869, 19.5027, 38.9771



19.0991, 19.5027, 40.9442

Triad

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



16.3869, 19.5027, 38.9771



24.5286, 19.5027, 19.6800



15.5145, 19.5027, 10.8988

Complementary

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



16.3869, 19.5027, 38.9771



20.0487, 15.6868, 5.4621

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.



17.9855, 19.5027, 9.1518



16.3869, 19.5027, 38.9771



23.3342, 19.5027, 13.3191

Square

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



16.3869, 19.5027, 38.9771



23.9894, 19.5027, 28.3137



20.8668, 19.5027, 9.9081



13.9801, 19.5027, 15.4472

Rectangle

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



16.3869, 19.5027, 38.9771



21.0249, 19.5027, 38.6861



20.8668, 19.5027, 9.9081



16.2530, 19.5027, 10.0257

Sweetspot

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



16.3876, 19.5034, 38.9776



51.1265, 56.5515, 73.6962



16.9811, 28.7864, 14.2167



11.0645, 12.3169, 16.4464



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.



16.3876, 19.5034, 38.9776



26.0393, 30.7232, 70.0330



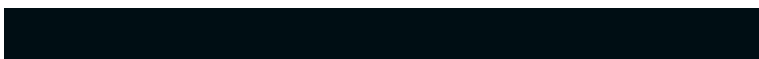
10.8896, 8.5075, 37.1449



7.5412, 8.1193, 9.5881



9.9291, 11.3184, 29.6368



0.2848, 0.3618, 0.7355

Inverse Universe

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



21.0749, 12.3578, 22.3942



35.7131, 18.8611, 35.1611



26.5892, 28.7678, 7.6422



7.7378, 7.6250, 8.9363



14.5123, 7.2137, 12.7755



0.3749, 0.1842, 0.4257

Previews

White Background



This preview shows how the XYZ color 16.3869, 19.5027, 38.9771 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 16.3869, 19.5027, 38.9771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

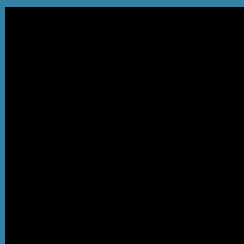
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3869, 19.5027, 38.9771

Background



This preview shows how black text looks on a background with the XYZ color 16.3869, 19.5027, 38.9771.

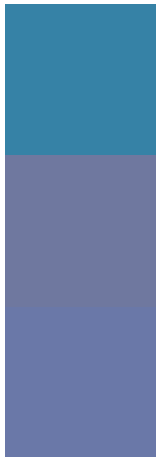


This preview shows how white text looks on a background with the XYZ color 16.3869, 19.5027,

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

16.3869, 19.5027, 38.9771

Protanopia

19.5300, 19.3157, 35.4998

Deuteranopia

19.7282, 19.3243, 39.7360



Tritanopia

14.5504, 19.5659, 29.7978

Trichromacy



Original Color

16.3869, 19.5027, 38.9771

Protanomaly

17.9457, 19.1976, 36.9421

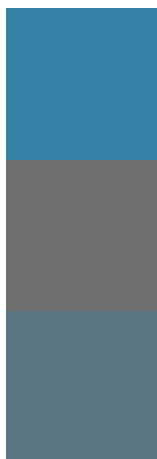
Deuteranomaly

18.1132, 19.2316, 39.3166

Tritanomaly

15.2640, 19.6558, 33.1264

Monochromacy



Original Color

16.3869, 19.5027, 38.9771

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7916, 16.7692, 23.9299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3869, 19.5027, 38.9771 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(54, 130, 166)` looks like.

```
.text, #text, p{  
    color:rgb(54, 130, 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(54, 130, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 130, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.3869, 19.5027, 38.9771 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(54, 130, 166) }
```


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

```
.border{ border-color:rgb(54, 130, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 130, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 130, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 130, 166);  
box-shadow:4px 4px 4px 4px rgb(54, 130,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3869, 19.5027, 38.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 130, 166) }
```

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

```
.background{ background-color: rgb(54, 130,  
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](#).

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