

Converting Colors

XYZ(16.1017, 18.7856, 39.6061)

Have a look what the booklet for
XYZ(16.1017, 18.7856, 39.6061)
contains.

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Color

**XYZ(16.1255, 18.7628,
39.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	357FA8
RGB	53, 127, 168
RGB Percent	21%, 50%, 66%
CMY	0.7921, 0.5020, 0.3412
CMYK	0.68, 0.24, 0.00, 0.34
HSL	201°, 52%, 43%
HSV	201°, 68%, 66%
XYZ	16.1255, 18.7628, 39.8175
YIQ	109.5480, -57.2650, -2.9370

Conversions

Conversions Part 2

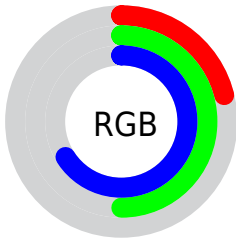
Format	Color
R_{YB}	53, 98, 168
Decimal	3506088
CIE _{Lab}	50.41, -9.45, -28.52
CIE _{LCh}	50, 30.048, 251.676
Yxy	18.7628, 0.2159, 0.2512
Android (android.graphics.Color)	4281696168 (0xFF357FA8)
YUV	109.5480, 28.8168, -49.5926
Hunter-Lab	43.3160, -9.3519, -24.1800

Details

The XYZ color **16.1255, 18.7628, 39.8175** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.7947, 16.5887, 5.4750**, and the grayscale version is **14.6247, 15.3863, 16.7557**.

A 20% lighter version of the original color is **36.4506, 41.4809, 75.8975**, and **5.8768, 6.7097, 17.5084** is the 20% darker color. If you saturate the color by 10%, you get **14.6416, 16.8836, 39.5334**, and if you desaturate by 10%, it is **17.9663, 20.8949, 40.1324**.

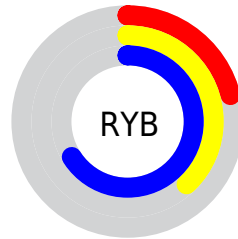
Distribution



Red (21%)

Green (50%)

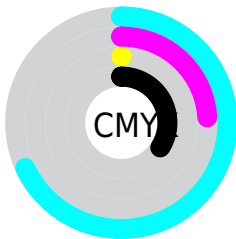
Blue (66%)



Red (21%)

Yellow (38%)

Blue (66%)

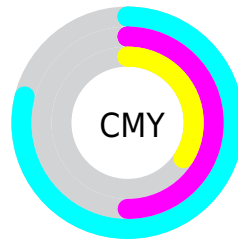


Cyan (68%)

Magenta (24%)

Yellow (0%)

Black (34%)



Cyan (79%)

Magenta (50%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1255, 18.7628, 39.8175 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 16.1255, 18.7628, 39.8175 by changing the saturation by 10% instead.

■ 16.1255, 18.7628,
39.8175

■ 16.1255, 18.7628,
39.8175

223.3370,
245.1361, 360.8830

■ 9.7044, 11.4990,
27.0836

■ 36.3716, 41.3329,
76.1196

■ 5.2642, 6.4035,
17.4030

■ 50.9274, 57.4080,
100.5248

■ 2.4394, 3.0920,
10.3573

■ 68.9254, 77.1890,
129.6576

■ 0.8648, 1.1799,
5.5278

■ 90.7311, 101.0603,
163.9364

■ 0.0000, 0.0452,
2.4960

■ 116.7097,
129.4062, 203.7798

■ 0.0000, 0.0000,
0.8381

147.2266,

■ 0.0000, 0.0000,

162.6113, 249.6063

0.0000

182.6473,
201.0598, 301.8345

■ 16.1255, 18.7628,
39.8175

■ 16.1255, 18.7628,
39.8175

■ 14.6416, 16.8836,
39.5334

■ 17.9663, 20.8949,
40.1324

■ 13.4778, 15.2363,
39.2767

■ 20.1918, 23.2944,
40.4782

■ 12.5727, 13.7882,
39.0449

■ 22.8294, 25.9769,
40.8570

■ 12.4413, 13.5740,
39.0105

■ 25.9029, 28.9558,
41.2700

■ 29.4345, 32.2435,
41.7185

■ 33.4446, 35.8517,
42.2036

■ 37.9524, 39.7913,
42.7264

■ 42.9760, 44.0725,
43.2880

■ 48.5326, 48.7052,
43.8893

Harmonies

Analogous

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



13.9591, 18.7628, 33.0987



16.1255, 18.7628, 39.8175



18.9944, 18.7628, 40.5754

Triad

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



16.1255, 18.7628, 39.8175



23.9181, 18.7628, 17.3442



14.3538, 18.7628, 10.6171

Complementary

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



16.1255, 18.7628, 39.8175



20.7947, 16.5887, 5.4750

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.



16.7209, 18.7628, 8.3796



16.1255, 18.7628, 39.8175



22.3657, 18.7628, 11.4926

Square

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



16.1255, 18.7628, 39.8175



23.7137, 18.7628, 25.9147



19.6580, 18.7628, 8.6489



13.0158, 18.7628, 15.7787

Rectangle

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



16.1255, 18.7628, 39.8175



20.9481, 18.7628, 37.4020



19.6580, 18.7628, 8.6489



15.0440, 18.7628, 9.5710

Sweetspot

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



16.1262, 18.7635, 39.8180



51.4417, 56.6981, 75.4577



17.4585, 29.5575, 15.2003



10.8411, 12.0133, 16.3996



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.



16.1262, 18.7635, 39.8180



25.4328, 29.0755, 71.4968



10.7428, 7.9968, 38.0235



7.5192, 8.0753, 9.5807



9.4448, 10.3497, 29.4754



0.2754, 0.3430, 0.7323

Inverse Universe

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



21.2530, 12.4042, 21.3533



35.9769, 18.9618, 32.8560



27.8181, 30.6355, 7.8162



7.7266, 7.6205, 8.8777



14.2679, 7.1159, 11.4881



0.3702, 0.1823, 0.4008

Previews

White Background



This preview shows how the XYZ color 16.1255, 18.7628, 39.8175 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 16.1255, 18.7628, 39.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

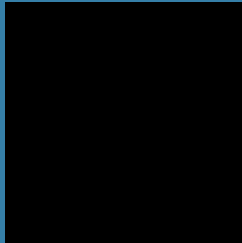
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1255, 18.7628, 39.8175

Background



This preview shows how black text looks on a background with the XYZ color 16.1255, 18.7628, 39.8175.

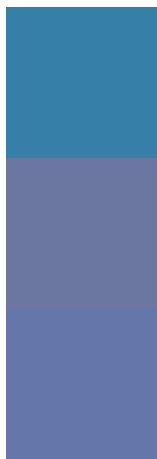


This preview shows how white text looks on a background with the XYZ color 16.1255, 18.7628,

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

16.1255, 18.7628, 39.8175

Protanopia

18.9749, 18.6559, 36.3191

Deuteranopia

18.9897, 18.5685, 40.6134



Tritanopia

13.8613, 18.8306, 28.4953

Trichromacy



Original Color

16.1255, 18.7628, 39.8175

Protanomaly

17.4687, 18.3813, 37.7492

Deuteranomaly

17.5661, 18.3783, 40.1577

Tritanomaly

14.5234, 18.6919, 32.1206

Monochromacy



Original Color

16.1255, 18.7628, 39.8175

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4619, 16.2533, 23.8477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1255, 18.7628, 39.8175 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(53, 127, 168)` looks like.

```
.text, #text, p{  
    color:rgb(53, 127, 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(53, 127, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 127, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.1255, 18.7628, 39.8175 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(53, 127, 168) }
```


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

```
.border{ border-color:rgb(53, 127, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 127, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 127, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 127, 168);  
box-shadow:4px 4px 4px 4px rgb(53, 127,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1255, 18.7628, 39.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 127, 168) }
```

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

```
.background{ background-color: rgb(53, 127,  
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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