

Converting Colors

XYZ(16.7575, 19.3132, 38.4419)

Have a look what the booklet for
XYZ(16.7575, 19.3132, 38.4419)
contains.

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Color

**XYZ(16.7575, 19.3132,
38.4419)**

Conversions

Conversions Part 1

Format	Color
Hex	4280A5
RGB	66, 128, 165
RGB Percent	26%, 50%, 65%
CMY	0.7412, 0.4980, 0.3529
CMYK	0.60, 0.22, 0.00, 0.35
HSL	202°, 43%, 45%
HSV	202°, 60%, 65%
XYZ	16.7575, 19.3132, 38.4419
YIQ	113.6800, -48.8290, -1.6370

Conversions

Conversions Part 2

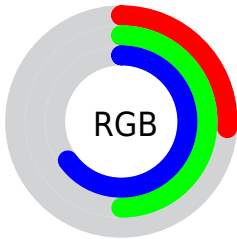
Format	Color
R_{YB}	66, 104, 165
Decimal	4358309
CIE _{Lab}	51.05, -8.65, -25.75
CIE _{LCh}	51, 27.163, 251.434
Yxy	19.3132, 0.2249, 0.2592
Android (android.graphics.Color)	4282548389 (0xFF4280A5)
YUV	113.6800, 25.3008, -41.8154
Hunter-Lab	43.9468, -8.8424, -21.1004

Details

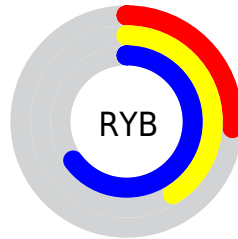
The XYZ color **16.7575, 19.3132, 38.4419** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.3515, 18.0943, 7.5223**, and the grayscale version is **15.8364, 16.6611, 18.1440**.

A 20% lighter version of the original color is **37.4682, 42.3526, 73.9102**, and **5.7766, 6.7842, 16.6278** is the 20% darker color. If you saturate the color by 10%, you get **15.0220, 17.2608, 38.1376**, and if you desaturate by 10%, it is **18.8639, 21.6301, 38.7785**.

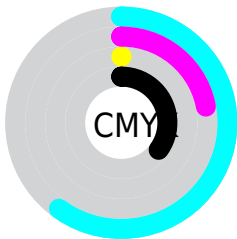
Distribution



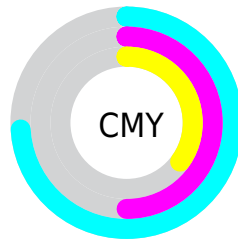
- Red (26%)
- Green (50%)
- Blue (65%)



- Red (26%)
- Yellow (41%)
- Blue (65%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (35%)



- Cyan (74%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7575, 19.3132, 38.4419 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 16.7575, 19.3132, 38.4419 by changing the saturation by 10% instead.

■ 16.7575, 19.3132,
38.4419

■ 16.7575, 19.3132,
38.4419

226.9546,
248.1724, 354.8667

■ 10.1560, 11.8968,
26.0214

■ 37.4553, 42.2627,
73.9959

■ 5.5656, 6.6734,
16.6137

■ 52.2823, 58.5645,
97.9664

■ 2.6209, 3.2587,
9.8004

■ 70.5818, 78.5970,
126.6239

■ 0.9566, 1.2683,
5.1630

■ 92.7191, 102.7445,
160.3871

■ 0.0000, 0.1164,
2.2828

■ 119.0598,
131.3914, 199.6744

■ 0.0000, 0.0000,
0.7216

149.9690,

■ 0.0000, 0.0000,

164.9221, 244.9044

0.0000

185.8121,
203.7209, 296.4957

■ 16.7575, 19.3132,
38.4419

■ 16.7575, 19.3132,
38.4419

■ 15.0220, 17.2608,
38.1376

■ 18.8639, 21.6301,
38.7785

■ 13.6262, 15.4545,
37.8625

■ 21.3650, 24.2240,
39.1473

■ 12.5363, 13.8758,
37.6152

■ 24.2850, 27.1089,
39.5502

■ 11.6752, 12.4838,
37.3919

■ 27.6454, 30.2970,
39.9885

■ 11.6750, 12.4834,
37.3919

■ 31.4661, 33.7997,
40.4632

■ 35.7656, 37.6279,
40.9755

■ 40.5616, 41.7917,
41.5264

■ 45.8707, 46.3006,
42.1169

■ 51.7087, 51.1641,
42.7480

Harmonies

Analogous

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



14.7433, 19.3132, 32.4418



16.7575, 19.3132, 38.4419



19.4018, 19.3132, 39.1599

Triad

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



16.7575, 19.3132, 38.4419



23.9112, 19.3132, 18.2252



15.1402, 19.3132, 11.7586

Complementary

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



16.7575, 19.3132, 38.4419



21.3515, 18.0943, 7.5223

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.



17.3496, 19.3132, 9.5893



16.7575, 19.3132, 38.4419



22.5167, 19.3132, 12.6660

Square

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



16.7575, 19.3132, 38.4419



23.7130, 19.3132, 26.1102



20.0544, 19.3132, 9.8749



13.8745, 19.3132, 16.6535

Rectangle

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



16.7575, 19.3132, 38.4419



21.1902, 19.3132, 36.3810



20.0544, 19.3132, 9.8749



15.7876, 19.3132, 10.7475

Sweetspot

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



16.7582, 19.3139, 38.4424



50.5929, 55.2652, 71.7530



18.1158, 29.0343, 17.2989



10.6693, 11.7177, 15.6369



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.7582, 19.3139, 38.4424



26.0078, 29.7903, 68.1317



11.8496, 9.4967, 36.8062



7.0526, 7.5641, 8.9914



8.8812, 9.5418, 28.3034



0.2297, 0.2866, 0.6091

Inverse Universe

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



21.3622, 13.4551, 21.8939



35.4528, 19.9748, 33.6884



27.6968, 30.7849, 9.6375



7.2515, 7.1571, 8.3108



13.6283, 6.8074, 10.4991



0.3081, 0.1517, 0.3351

Previews

White Background



This preview shows how the XYZ color 16.7575, 19.3132, 38.4419 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 16.7575, 19.3132, 38.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

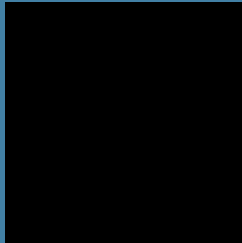
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7575, 19.3132, 38.4419

Background



This preview shows how black text looks on a background with the XYZ color 16.7575, 19.3132, 38.4419.

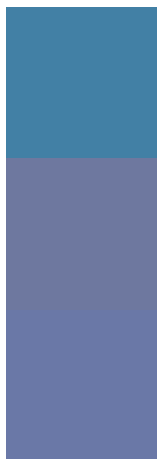


This preview shows how white text looks on a background with the XYZ color 16.7575, 19.3132,

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

16.7575, 19.3132, 38.4419

Protanopia

19.4049, 19.2511, 35.4940

Deuteranopia

19.6354, 19.2871, 39.2471



Tritanopia

14.8401, 19.3265, 28.9348

Trichromacy



Original Color

16.7575, 19.3132, 38.4419

Protanomaly

18.1321, 19.1188, 36.4528

Deuteranomaly

18.2803, 19.1432, 38.8079

Tritanomaly

15.5657, 19.4276, 32.2077

Monochromacy



Original Color

16.7575, 19.3132, 38.4419

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7602, 17.4285, 24.7237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7575, 19.3132, 38.4419 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(66, 128, 165) looks like.

```
.text, #text, p{  
    color:rgb(66, 128, 165)  
}
```

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(66, 128, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 128, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.7575, 19.3132, 38.4419 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(66, 128, 165) }
```


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

```
.border{ border-color:rgb(66, 128, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 128, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 128, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 128, 165);  
box-shadow:4px 4px 4px 4px rgb(66, 128,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7575, 19.3132, 38.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 128, 165) }
```

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

```
.background{ background-color: rgb(66, 128,  
165) }
```

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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