

Converting Colors

XYZ(16.5581, 16.7945, 39.3709)

Have a look what the booklet for
XYZ(16.5581, 16.7945, 39.3709)
contains.

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Color

**XYZ(16.5920, 16.8380,
39.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	5173A8
RGB	81, 115, 168
RGB Percent	32%, 45%, 66%
CMY	0.6823, 0.5490, 0.3412
CMYK	0.52, 0.32, 0.00, 0.34
HSL	217°, 35%, 49%
HSV	217°, 52%, 66%
XYZ	16.5920, 16.8380, 39.4213
YIQ	110.8760, -37.2770, 9.2750

Conversions

Conversions Part 2

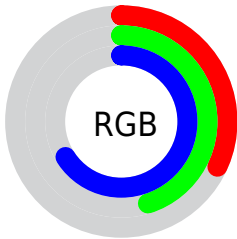
Format	Color
R _Y B	81, 105, 168
Decimal	5338024
CIE Lab	48.06, 3.34, -32.11
CIE LCh	48, 32.279, 275.941
Yxy	16.8380, 0.2278, 0.2311
Android (android.graphics.Color)	4283528104 (0xFF5173A8)
YUV	110.8760, 28.1621, -26.2013
Hunter-Lab	41.0341, 0.3661, -28.2357

Details

The XYZ color **16.5920, 16.8380, 39.4213** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.1595, 25.9701, 11.4194**, and the grayscale version is **15.0029, 15.7842, 17.1890**.

A 20% lighter version of the original color is **37.1297, 38.1160, 75.2122**, and **5.4904, 5.4458, 17.2848** is the 20% darker color. If you saturate the color by 10%, you get **14.2235, 13.9798, 38.9948**, and if you desaturate by 10%, it is **19.4475, 20.1402, 39.9085**.

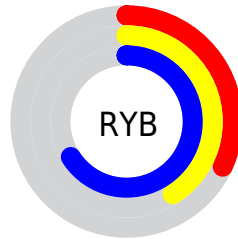
Distribution



Red (32%)

Green (45%)

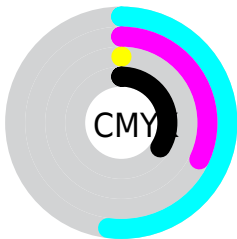
Blue (66%)



Red (32%)

Yellow (41%)

Blue (66%)

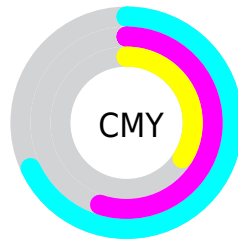


Cyan (52%)

Magenta (32%)

Yellow (0%)

Black (34%)



Cyan (68%)

Magenta (55%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5920, 16.8380, 39.4213 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 16.5920, 16.8380, 39.4213 by changing the saturation by 10% instead.

■ 16.5920, 16.8380,
39.4213

■ 16.5920, 16.8380,
39.4213

226.0125,
234.2371, 359.1577

■ 10.0375, 10.1191,
26.7773

■ 37.1721, 38.0470,
75.5089

■ 5.4863, 5.4780,
17.1751

■ 51.9285, 53.3059,
99.7896

■ 2.5730, 2.5303,
10.1961

■ 70.1496, 72.1802,
128.7862

■ 0.9322, 0.8918,
5.4219

■ 92.2007, 95.0544,
162.9173

■ 0.0000, 0.0000,
2.4338

■ 118.4471,
122.3127, 202.6015

■ 0.0000, 0.0000,
0.8048

149.2544,

■ 0.0000, 0.0000,

154.3397, 248.2572

0.0000

184.9877,
191.5197, 300.3031

■ 16.5920, 16.8380,
39.4213

■ 16.5920, 16.8380,
39.4213

■ 14.2235, 13.9798,
38.9948

■ 19.4475, 20.1402,
39.9085

■ 12.3092, 11.5416,
38.6250

■ 22.8162, 23.9050,
40.4577

■ 10.8146, 9.4993,
38.3096

■ 26.7244, 28.1521,
41.0714

■ 9.6990, 7.8250,
38.0452

■ 31.1963, 32.8992,
41.7520

■ 8.9960, 6.6832,
37.8619

■ 36.2541, 38.1633,
42.5015

■ 41.9192, 43.9603,
43.3219

■ 48.2115, 50.3055,
44.2150

■ 55.1503, 57.2135,
45.1826

■ 62.7538, 64.6984,
46.2266

Harmonies

Analogous

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



13.8230, 16.8380, 37.2786



16.5920, 16.8380, 39.4213



19.5298, 16.8380, 34.6715

Triad

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



16.5920, 16.8380, 39.4213



20.9922, 16.8380, 10.4244



11.4063, 16.8380, 12.5299

Complementary

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



16.5920, 16.8380, 39.4213



26.1595, 25.9701, 11.4194

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.



12.9304, 16.8380, 8.1555



16.5920, 16.8380, 39.4213



18.4032, 16.8380, 7.2239

Square

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



16.5920, 16.8380, 39.4213



22.2613, 16.8380, 16.7198



15.4301, 16.8380, 6.5423



11.0451, 16.8380, 20.0483

Rectangle

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



16.5920, 16.8380, 39.4213



21.1191, 16.8380, 28.8909



15.4301, 16.8380, 6.5423



11.7897, 16.8380, 10.7239

Sweetspot

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



16.5926, 16.8386, 39.4217



52.8205, 55.7003, 75.1924



21.6441, 31.4540, 27.1941



11.1685, 11.7746, 16.3362



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.



16.5926, 16.8386, 39.4217



25.2928, 24.7251, 70.6644



14.1984, 10.8715, 38.3961



7.3633, 7.7635, 9.5288



6.8403, 5.1408, 28.6072



0.2164, 0.2250, 0.7127

Inverse Universe

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



22.1860, 15.4483, 18.0327



36.8999, 23.1353, 25.9882



29.8459, 36.0014, 13.1614



7.6480, 7.5890, 8.4634



12.9533, 6.5900, 4.5654



0.3404, 0.1704, 0.2439

Previews

White Background



This preview shows how the XYZ color 16.5920, 16.8380, 39.4213 looks on a white background.

Color Contrast Check

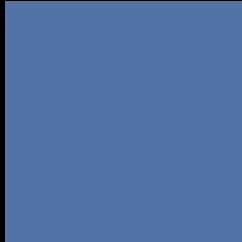
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5920, 16.8380, 39.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

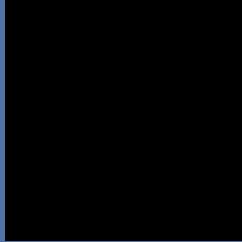
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5920, 16.8380, 39.4213

Background



This preview shows how black text looks on a background with the XYZ color 16.5920, 16.8380, 39.4213.

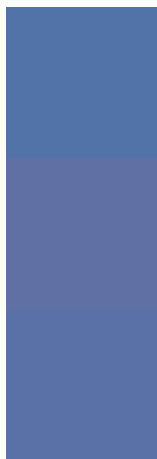


This preview shows how white text looks on a background with the XYZ color 16.5920, 16.8380,

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

16.5920, 16.8380, 39.4213

Protanopia

17.4096, 16.7917, 37.9209

Deuteranopia

17.1895, 16.8111, 39.3847



Tritanopia

13.5786, 16.8502, 24.3665

Trichromacy



Original Color

16.5920, 16.8380, 39.4213

Protanomaly

17.1024, 16.7876, 38.4153

Deuteranomaly

17.0157, 16.8880, 39.4087

Tritanomaly

14.4553, 16.6545, 29.2408

Monochromacy



Original Color

16.5920, 16.8380, 39.4213

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2146, 15.9636, 24.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5920, 16.8380, 39.4213 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(81, 115, 168)` looks like.

```
.text, #text, p{  
    color:rgb(81, 115, 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(81, 115, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 115, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.5920, 16.8380, 39.4213 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(81, 115, 168) }
```


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

```
.border{ border-color:rgb(81, 115, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 115, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 115, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 115, 168);  
box-shadow:4px 4px 4px 4px rgb(81, 115,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5920, 16.8380, 39.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 115, 168) }
```

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

```
.background{ background-color: rgb(81, 115,  
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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