

Converting Colors

XYZ(17.1758, 18.3817, 31.4971)

Have a look what the booklet for
XYZ(17.1758, 18.3817, 31.4971)
contains.

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Color

**XYZ(17.1663, 18.3635,
31.4939)**

Conversions

Conversions Part 1

Format	Color
Hex	607996
RGB	96, 121, 150
RGB Percent	38%, 47%, 59%
CMY	0.6235, 0.5255, 0.4118
CMYK	0.36, 0.19, 0.00, 0.41
HSL	212°, 22%, 48%
HSV	212°, 36%, 59%
XYZ	17.1663, 18.3635, 31.4939
YIQ	116.8310, -24.2090, 3.7190

Conversions

Conversions Part 2

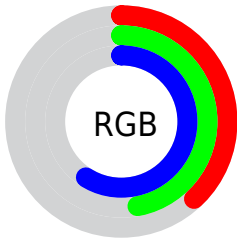
Format	Color
R _Y B	96, 113, 150
Decimal	6322582
CIE Lab	49.93, -1.57, -18.59
CIE LCh	50, 18.654, 265.172
Yxy	18.3635, 0.2561, 0.2740
Android (android.graphics.Color)	4284512662 (0xFF607996)
YUV	116.8310, 16.3523, -18.2688
Hunter-Lab	42.8527, -3.4870, -13.5774

Details

The XYZ color **17.1663, 18.3635, 31.4939** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0232, 21.9964, 14.1521**, and the grayscale version is **16.8131, 17.6887, 19.2630**.

A 20% lighter version of the original color is **38.0554, 40.5427, 62.9465**, and **5.7614, 6.2468, 12.7065** is the 20% darker color. If you saturate the color by 10%, you get **14.7978, 15.7498, 31.1146**, and if you desaturate by 10%, it is **19.9189, 21.2974, 31.9155**.

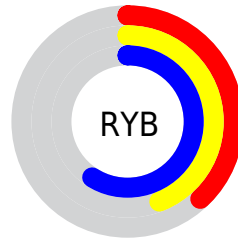
Distribution



Red (38%)

Green (47%)

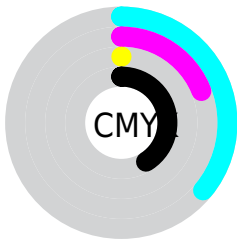
Blue (59%)



Red (38%)

Yellow (44%)

Blue (59%)

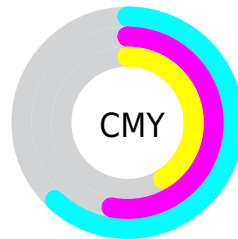


Cyan (36%)

Magenta (19%)

Yellow (0%)

Black (41%)



Cyan (62%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1663, 18.3635, 31.4939 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 17.1663, 18.3635, 31.4939 by changing the saturation by 10% instead.

■ 17.1663, 18.3635,
31.4939

■ 17.1663, 18.3635,
31.4939

229.2665,
242.9120, 323.2287

■ 10.4492, 11.2113,
20.7136

■ 38.1528, 40.6558,
63.1055

■ 5.7623, 6.2091,
12.7256

■ 53.1529, 56.5646,
84.7739

■ 2.7404, 2.9727,
7.1114

■ 71.6447, 76.1610,
110.9087

■ 1.0180, 1.1175,
3.4524

■ 93.9935, 99.8296,
141.9286

■ 0.0000, 0.0000,
1.3300

120.5648,
127.9545, 178.2520

■ 0.0000, 0.0000,
0.0862

151.7238,

■ 0.0000, 0.0000,

160.9203, 220.2974

0.0000

187.8359,
199.1113, 268.4835

■ 17.1663, 18.3635,
31.4939

■ 17.1663, 18.3635,
31.4939

■ 14.7978, 15.7498,
31.1146

■ 19.9189, 21.2974,
31.9155

■ 12.7925, 13.4413,
30.7747

■ 23.0715, 24.5614,
32.3793

■ 11.1299, 11.4248,
30.4731

■ 26.6414, 28.1675,
32.8872

■ 9.7868, 9.6852,
30.2081

■ 30.6441, 32.1263,
33.4404

■ 8.7363, 8.2054,
29.9778

■ 35.0943, 36.4481,
34.0400

■ 7.9410, 6.9624,
29.7798

■ 40.0062, 41.1426,
34.6872

■ 7.6606, 6.5132,
29.7079

■ 45.3930, 46.2192,
35.3832

■ 51.2677, 51.6868,
36.1289

■ 57.6426, 57.5541,
36.9254

Harmonies

Analogous

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



15.5638, 18.3635, 29.2118



17.1663, 18.3635, 31.4939



18.9570, 18.3635, 30.2914

Triad

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



17.1663, 18.3635, 31.4939



20.7529, 18.3635, 16.0935



14.7820, 18.3635, 14.8837

Complementary

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



17.1663, 18.3635, 31.4939



22.0232, 21.9964, 14.1521

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.



16.0325, 18.3635, 12.3440



17.1663, 18.3635, 31.4939



19.4913, 18.3635, 12.9544

Square

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



17.1663, 18.3635, 31.4939



21.1075, 18.3635, 20.8346



17.7448, 18.3635, 11.7030



14.2484, 18.3635, 19.1777

Rectangle

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



17.1663, 18.3635, 31.4939



20.0067, 18.3635, 27.7675



17.7448, 18.3635, 11.7030



15.1281, 18.3635, 13.8274

Sweetspot

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



17.1669, 18.3642, 31.4943



43.6344, 46.3114, 57.5605



19.4197, 25.7755, 23.2874



9.5039, 10.0951, 12.7325



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.1669, 18.3642, 31.4943



26.9585, 28.7406, 55.0479



14.7040, 13.1541, 30.6185



5.7075, 6.0490, 7.3365



6.3851, 5.4649, 24.6493



0.1071, 0.1249, 0.3114

Inverse Universe

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



20.2123, 16.2309, 20.1574



33.2517, 24.8670, 31.5004



25.2670, 28.9722, 15.3276



5.9058, 5.8574, 6.6101



11.3500, 5.7450, 5.3239



0.1535, 0.0762, 0.1422

Previews

White Background



This preview shows how the XYZ color 17.1663, 18.3635, 31.4939 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 17.1663, 18.3635, 31.4939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

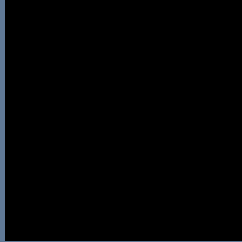
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

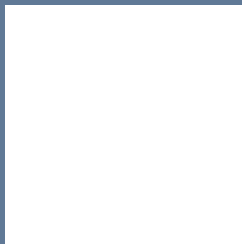
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1663, 18.3635, 31.4939

Background



This preview shows how black text looks on a background with the XYZ color 17.1663, 18.3635, 31.4939.

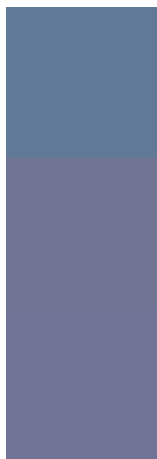


This preview shows how white text looks on a background with the XYZ color 17.1663, 18.3635,

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

17.1663, 18.3635, 31.4939

Protanopia

18.1833, 18.2087, 30.1600

Deuteranopia

18.6414, 18.2359, 31.8155



Tritanopia

15.9244, 18.4118, 25.2688

Trichromacy



Original Color

17.1663, 18.3635, 31.4939

Protanomaly

17.7676, 18.1592, 30.5856

Deuteranomaly

18.1278, 18.3170, 31.8583

Tritanomaly

16.3308, 18.3865, 27.4992

Monochromacy



Original Color

17.1663, 18.3635, 31.4939

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7476, 17.7931, 23.3206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1663, 18.3635, 31.4939 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(96, 121, 150) looks like.

```
.text, #text, p{  
    color:rgb(96, 121, 150)  
}
```

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(96, 121, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 121, 150) }
```

Border

The CSS property to change the border of an element to XYZ 17.1663, 18.3635, 31.4939 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(96, 121, 150) }
```


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

```
.border{ border-color:rgb(96, 121, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 121, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 121, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 121, 150);  
box-shadow:4px 4px 4px 4px rgb(96, 121,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1663, 18.3635, 31.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 121, 150) }
```

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

```
.background{ background-color: rgb(96, 121,  
150) }
```

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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