

Converting Colors

XYZ(17.9864, 18.4671, 31.0288)

Have a look what the booklet for
XYZ(17.9864, 18.4671, 31.0288)
contains.

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Color

**XYZ(17.9655, 18.4277,
31.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7795
RGB	106, 119, 149
RGB Percent	42%, 47%, 58%
CMY	0.5843, 0.5333, 0.4157
CMYK	0.29, 0.20, 0.00, 0.42
HSL	222°, 17%, 50%
HSV	222°, 29%, 58%
XYZ	17.9655, 18.4277, 31.0438
YIQ	118.5330, -17.3780, 6.5740

Conversions

Conversions Part 2

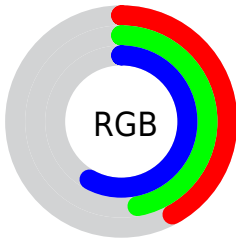
Format	Color
R _Y B	106, 116, 149
Decimal	6977429
CIE Lab	50.01, 2.42, -17.82
CIE LCh	50, 17.986, 277.729
Yxy	18.4277, 0.2664, 0.2733
Android (android.graphics.Color)	4285167509 (0xFF6A7795)
YUV	118.5330, 15.0202, -10.9914
Hunter-Lab	42.9275, -0.4194, -12.8274

Details

The XYZ color **17.9655, 18.4277, 31.0438** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.8005, 25.0389, 17.2148**, and the grayscale version is **17.3458, 18.2491, 19.8733**.

A 20% lighter version of the original color is **39.4430, 40.7067, 62.2782**, and **6.1452, 6.2582, 12.4393** is the 20% darker color. If you saturate the color by 10%, you get **15.1761, 15.2529, 30.5783**, and if you desaturate by 10%, it is **21.1991, 22.0333, 31.5696**.

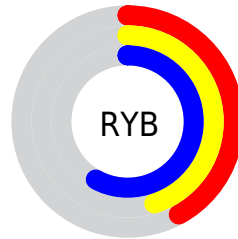
Distribution



Red (42%)

Green (47%)

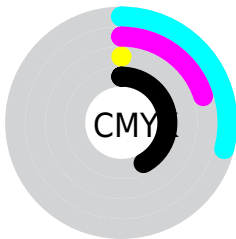
Blue (58%)



Red (42%)

Yellow (45%)

Blue (58%)

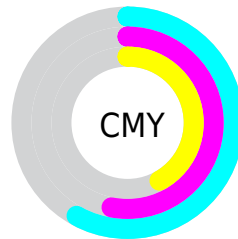


Cyan (29%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (58%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9655, 18.4277, 31.0438 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 17.9655, 18.4277, 31.0438 by changing the saturation by 10% instead.

■ 17.9655, 18.4277,
31.0438

■ 17.9655, 18.4277,
31.0438

233.7259,
243.2708, 321.0975

■ 11.0248, 11.2575,
20.3735

■ 39.5091, 40.7648,
62.3894

■ 6.1509, 6.2403,
12.4800

■ 54.8426, 56.7004,
83.9018

■ 2.9786, 2.9917,
6.9450

■ 73.7045, 76.3267,
109.8652

■ 1.1425, 1.1274,
3.3498

■ 96.4600, 100.0279,
140.6982

■ 0.0602, 0.0012,
1.2759

123.4745,
128.1886, 176.8195

■ 0.0000, 0.0000,
0.0419

155.1135,

■ 0.0000, 0.0000,

161.1930, 218.6474

0.0000

191.7421,
199.4257, 266.6005

■ 17.9655, 18.4277,
31.0438

■ 17.9655, 18.4277,
31.0438

■ 15.1761, 15.2529,
30.5783

■ 21.1991, 22.0333,
31.5696

■ 12.8090, 12.4898,
30.1698

■ 24.8940, 26.0833,
32.1566

■ 10.8427, 10.1210,
29.8162

■ 29.0686, 30.5936,
32.8072

■ 9.2532, 8.1270,
29.5151

■ 33.7397, 35.5784,
33.5231

■ 8.0139, 6.4865,
29.2637

■ 38.9234, 41.0514,
34.3063

■ 7.0939, 5.1753,
29.0591

■ 44.6348, 47.0258,
35.1585

■ 6.4324, 4.1534,
28.8967

■ 50.8885, 53.5140,
36.0812

■ 6.3651, 4.0504,
28.8804

■ 57.6986, 60.5284,
37.0762

■ 65.0787, 68.0805,
38.1449

Harmonies

Analogous

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



16.2861, 18.4277, 30.2176



17.9655, 18.4277, 31.0438



19.6271, 18.4277, 28.5677

Triad

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



17.9655, 18.4277, 31.0438



20.2755, 18.4277, 14.7884



14.6176, 18.4277, 16.6712

Complementary

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



17.9655, 18.4277, 31.0438



23.8005, 25.0389, 17.2148

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.



15.5601, 18.4277, 13.4423



17.9655, 18.4277, 31.0438



18.8042, 18.4277, 12.4864

Square

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



17.9655, 18.4277, 31.0438



21.0167, 18.4277, 18.8123



17.0720, 18.4277, 12.0376



14.4255, 18.4277, 21.3714

Rectangle

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



17.9655, 18.4277, 31.0438



20.4762, 18.4277, 25.5841



17.0720, 18.4277, 12.0376



14.8540, 18.4277, 15.4022

Sweetspot

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



17.9661, 18.4284, 31.0442



44.3532, 46.4630, 57.5518



21.0920, 26.3196, 27.0324



9.6241, 10.0733, 12.7219



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.



17.9661, 18.4284, 31.0442



28.6675, 29.0246, 55.0126



17.5037, 16.0482, 30.6092



5.6340, 5.9019, 7.3120



5.3807, 3.4562, 24.3146



0.0894, 0.0893, 0.3054

Inverse Universe

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



20.8787, 18.0301, 19.8332



34.8794, 28.4471, 31.0417



24.3537, 28.2088, 17.7976



5.8687, 5.8425, 6.4146



10.8430, 5.5423, 2.6543



0.1446, 0.0726, 0.0949

Previews

White Background



This preview shows how the XYZ color 17.9655, 18.4277, 31.0438 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 17.9655, 18.4277, 31.0438 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

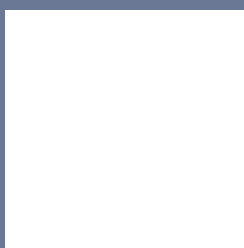
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9655, 18.4277, 31.0438

Background



This preview shows how black text looks on a background with the XYZ color 17.9655, 18.4277, 31.0438.

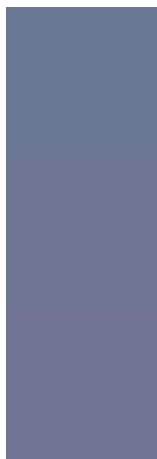


This preview shows how white text looks on a background with the XYZ color 17.9655, 18.4277,

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

17.9655, 18.4277, 31.0438

Protanopia

18.3793, 18.4745, 30.6142

Deuteranopia

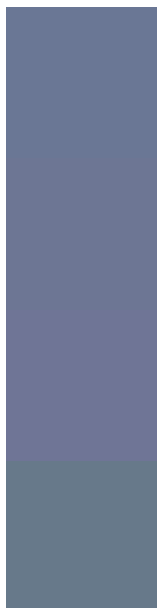
18.6898, 18.2702, 31.3956



Tritanopia

16.6039, 18.4098, 24.5081

Trichromacy



Original Color

17.9655, 18.4277, 31.0438

Protanomaly

18.1304, 18.3462, 30.6026

Deuteranomaly

18.4219, 18.3041, 31.4163

Tritanomaly

17.0183, 18.3933, 26.6981

Monochromacy



Original Color

17.9655, 18.4277, 31.0438

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5655, 18.3828, 23.7415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9655, 18.4277, 31.0438 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(106, 119, 149)` looks like.

```
.text, #text, p{  
    color:rgb(106, 119, 149)  
}
```

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(106, 119, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 119, 149) }
```

Border

The CSS property to change the border of an element to XYZ 17.9655, 18.4277, 31.0438 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(106, 119, 149) }
```


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

```
.border{ border-color:rgb(106, 119, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 119, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 119, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 119, 149);  
box-shadow:4px 4px 4px 4px rgb(106, 119,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9655, 18.4277, 31.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 119, 149) }
```

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

```
.background{ background-color: rgb(106,  
119, 149) }
```

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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