

Converting Colors

XYZ(18.6281, 18.8266, 29.2794)

Have a look what the booklet for
XYZ(18.6281, 18.8266, 29.2794)
contains.

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Color

**XYZ(18.6471, 18.8154,
29.4370)**

Conversions

Conversions Part 1

Format	Color
Hex	727791
RGB	114, 119, 145
RGB Percent	45%, 47%, 57%
CMY	0.5529, 0.5333, 0.4314
CMYK	0.21, 0.18, 0.00, 0.43
HSL	230°, 12%, 51%
HSV	230°, 21%, 57%
XYZ	18.6471, 18.8154, 29.4370
YIQ	120.4690, -11.3260, 7.0260

Conversions

Conversions Part 2

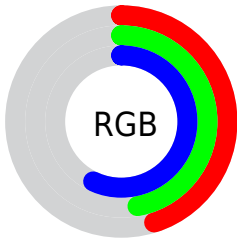
Format	Color
R_{YB}	114, 118, 145
Decimal	7501713
CIE Lab	50.47, 4.02, -14.72
CIE LCh	50, 15.258, 285.281
Yxy	18.8154, 0.2787, 0.2812
Android (android.graphics.Color)	4285691793 (0xFF727791)
YUV	120.4690, 12.0938, -5.6733
Hunter-Lab	43.3767, 0.8256, -9.8726

Details

The XYZ color **18.6471, 18.8154, 29.4370** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0926, 25.9909, 19.6670**, and the grayscale version is **17.9684, 18.9041, 20.5866**.

A 20% lighter version of the original color is **40.5976, 41.3563, 59.8757**, and **6.4988, 6.4565, 11.7302** is the 20% darker color. If you saturate the color by 10%, you get **15.5527, 15.2078, 28.9041**, and if you desaturate by 10%, it is **22.2269, 22.9491, 30.0465**.

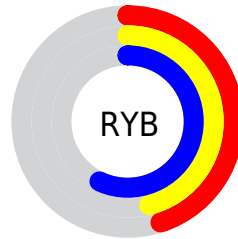
Distribution



Red (45%)

Green (47%)

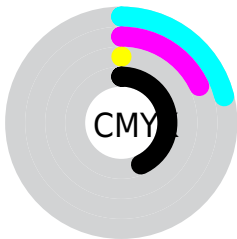
Blue (57%)



Red (45%)

Yellow (46%)

Blue (57%)

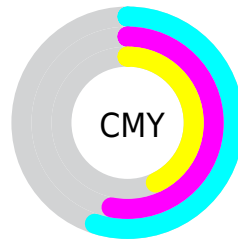


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6471, 18.8154, 29.4370 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 18.6471, 18.8154, 29.4370 by changing the saturation by 10% instead.

■ 18.6471, 18.8154,
29.4370

■ 18.6471, 18.8154,
29.4370

237.4693,
245.4278, 313.3965

■ 11.5181, 11.5370,
19.1632

■ 40.6584, 41.4219,
59.8211

■ 6.4863, 6.4292,
11.6103

■ 56.2714, 57.5188,
80.7686

■ 3.1864, 3.1078,
6.3596

■ 75.4431, 77.3240,
106.1110

■ 1.2531, 1.1883,
2.9926

■ 98.5388, 101.2218,
136.2669

■ 0.1477, 0.0521,
1.0909

125.9239,
129.5967, 171.6549

■ 0.0000, 0.0000,
0.0000

157.9638,

162.8331, 212.6934

195.0238,
201.3153, 259.8011

■ 18.6471, 18.8154,
29.4370

■ 18.6471, 18.8154,
29.4370

■ 15.5527, 15.2078,
28.9041

■ 22.2269, 22.9491,
30.0465

■ 12.9209, 12.1028,
28.4434

■ 26.3101, 27.6266,
30.7342

■ 10.7297, 9.4785,
28.0524

■ 30.9159, 32.8676,
31.5030

■ 8.9546, 7.3106,
27.7275

■ 36.0620, 38.6900,
32.3556

■ 7.5686, 5.5723,
27.4650

■ 41.7651, 45.1110,
33.2944

■ 6.5414, 4.2343,
27.2609

■ 48.0414, 52.1472,
34.3218

■ 5.8381, 3.2632,
27.1105

■ 54.9064, 59.8144,
35.4398

■ 5.4251, 2.6729,
27.0184

■ 62.3748, 68.1278,
36.6509

■ 70.4611, 77.1022,
37.9569

Harmonies

Analogous

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



17.1673, 18.8154, 29.4635



18.6471, 18.8154, 29.4370



19.9914, 18.8154, 26.8003

Triad

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



18.6471, 18.8154, 29.4370



19.9701, 18.8154, 15.2053



15.2600, 18.8154, 18.4774

Complementary

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



18.6471, 18.8154, 29.4370



24.0926, 25.9909, 19.6670

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.



15.9292, 18.8154, 15.2519



18.6471, 18.8154, 29.4370



18.6192, 18.8154, 13.5481

Square

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



18.6471, 18.8154, 29.4370



20.7835, 18.8154, 18.4050



17.1410, 18.8154, 13.5639



15.2666, 18.8154, 22.7199

Rectangle

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



18.6471, 18.8154, 29.4370



20.6063, 18.8154, 24.1024



17.1410, 18.8154, 13.5639



15.4117, 18.8154, 17.2521

Sweetspot

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



18.6477, 18.8162, 29.4374



43.5316, 45.3749, 54.4374



21.7866, 25.7171, 28.5625



9.5932, 9.9901, 12.0949



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.6477, 18.8162, 29.4374



30.4270, 30.2450, 52.2077



19.4890, 18.3894, 29.3107



5.1955, 5.3869, 6.7947



4.6669, 2.3198, 23.1789



0.0553, 0.0436, 0.2252

Inverse Universe

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



21.0246, 19.3868, 20.0875



35.5472, 31.5550, 32.0490



23.1012, 26.5894, 19.8348



5.4422, 5.4374, 5.8265



10.1588, 5.2205, 1.2214



0.1025, 0.0521, 0.0401

Previews

White Background



This preview shows how the XYZ color 18.6471, 18.8154, 29.4370 looks on a white background.

Color Contrast Check

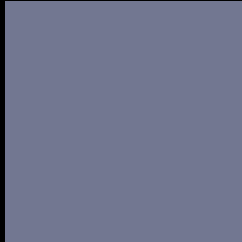
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6471, 18.8154, 29.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

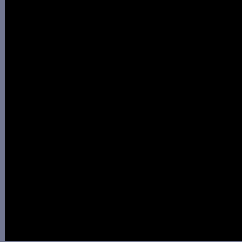
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6471, 18.8154, 29.4370

Background



This preview shows how black text looks on a background with the XYZ color 18.6471, 18.8154, 29.4370.



This preview shows how white text looks on a background with the XYZ color 18.6471, 18.8154,

29.4370.

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

18.6471, 18.8154, 29.4370

Protanopia

18.6471, 18.8154, 29.4370

Deuteranopia

19.0799, 18.6889, 29.3898



Tritanopia

17.4897, 18.6929, 24.1590

Trichromacy



Original Color

18.6471, 18.8154, 29.4370

Protanomaly

18.6471, 18.8154, 29.4370

Deuteranomaly

18.9254, 18.7831, 29.4161

Tritanomaly

17.8425, 18.6553, 25.9530

Monochromacy



Original Color

18.6471, 18.8154, 29.4370

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1501, 18.8695, 23.4544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6471, 18.8154, 29.4370 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(114, 119, 145)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 145)  
}
```

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(114, 119, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.6471, 18.8154, 29.4370 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(114, 119, 145) }
```


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

```
.border{ border-color:rgb(114, 119, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 145);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6471, 18.8154, 29.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 145) }
```

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

```
.background{ background-color: rgb(114,  
119, 145) }
```

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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