

Converting Colors

XYZ(18.3738, 17.5941, 36.3954)

Have a look what the booklet for
XYZ(18.3738, 17.5941, 36.3954)
contains.

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Color

**XYZ(18.4828, 17.7074,
36.6261)**

Conversions

Conversions Part 1

Format	Color
Hex	6A72A2
RGB	106, 114, 162
RGB Percent	42%, 45%, 64%
CMY	0.5843, 0.5529, 0.3647
CMYK	0.35, 0.30, 0.00, 0.36
HSL	231°, 23%, 53%
HSV	231°, 35%, 64%
XYZ	18.4828, 17.7074, 36.6261
YIQ	117.0800, -20.1760, 13.2320

Conversions

Conversions Part 2

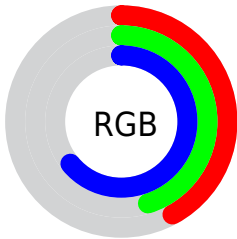
Format	Color
R_{YB}	106, 113, 162
Decimal	6976162
CIE Lab	49.14, 8.90, -26.78
CIE LCh	49, 28.226, 288.388
Yxy	17.7074, 0.2538, 0.2432
Android (android.graphics.Color)	4285166242 (0xFF6A72A2)
YUV	117.0800, 22.1456, -9.7172
Hunter-Lab	42.0802, 4.7620, -22.1492

Details

The XYZ color **18.4828, 17.7074, 36.6261** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.0580, 31.8340, 18.2496**, and the grayscale version is **16.8718, 17.7505, 19.3303**.

A 20% lighter version of the original color is **40.4587, 39.6531, 71.1671**, and **6.3936, 5.8630, 15.5465** is the 20% darker color. If you saturate the color by 10%, you get **15.2873, 13.9090, 36.0617**, and if you desaturate by 10%, it is **22.2811, 22.1702, 37.2876**.

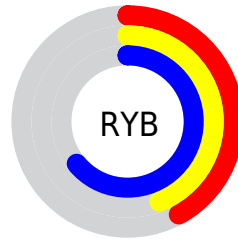
Distribution



Red (42%)

Green (45%)

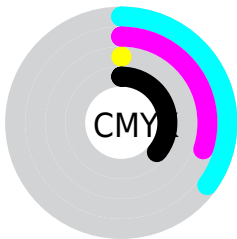
Blue (64%)



Red (42%)

Yellow (44%)

Blue (64%)

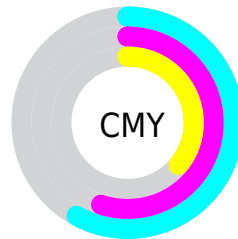


Cyan (35%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (58%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4828, 17.7074, 36.6261 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 18.4828, 17.7074, 36.6261 by changing the saturation by 10% instead.

■ 18.4828, 17.7074,
36.6261

■ 18.4828, 17.7074,
36.6261

236.5718,
239.2166, 346.8087

■ 11.3989, 10.7401,
24.6246

■ 40.3820, 39.5381,
71.1772

■ 6.4051, 5.8924,
15.5811

■ 55.9280, 55.1703,
94.5640

■ 3.1359, 2.7797,
9.0771

■ 75.0255, 74.4596,
122.5829

■ 1.2260, 1.0179,
4.6940

■ 98.0397, 97.7905,
155.6525

■ 0.1268, 0.0000,
2.0133

125.3361,
125.5472, 194.1913

■ 0.0000, 0.0000,
0.5634

157.2800,

■ 0.0000, 0.0000,

158.1142, 238.6179

0.0000

194.2368,
195.8758, 289.3509

■ 18.4828, 17.7074,
36.6261

■ 18.4828, 17.7074,
36.6261

■ 15.2873, 13.9090,
36.0617

■ 22.2811, 22.1702,
37.2876

■ 12.6614, 10.7411,
35.5886

■ 26.7091, 27.3252,
38.0493

■ 10.5717, 8.1697,
35.2024

■ 31.7947, 33.2010,
38.9154

■ 8.9804, 6.1567,
34.8977

■ 37.5632, 39.8241,
39.8897

■ 7.8447, 4.6596,
34.6686

■ 44.0388, 47.2194,
40.9759

■ 7.1136, 3.6291,
34.5082

■ 51.2443, 55.4109,
42.1772

■ 6.8308, 3.2270,
34.4455

■ 59.2017, 64.4214,
43.4970

■ 67.9319, 74.2730,
44.9384

■ 77.4550, 84.9866,
46.5044

Harmonies

Analogous

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



15.8292, 17.7074, 37.3124



18.4828, 17.7074, 36.6261



20.9177, 17.7074, 30.6347

Triad

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



18.4828, 17.7074, 36.6261



20.4311, 17.7074, 10.3262



12.3320, 17.7074, 16.4999

Complementary

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



18.4828, 17.7074, 36.6261



29.0580, 31.8340, 18.2496

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.



13.3135, 17.7074, 11.1483



18.4828, 17.7074, 36.6261



17.8728, 17.7074, 8.2589

Square

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



18.4828, 17.7074, 36.6261



22.1211, 17.7074, 15.0487



15.2795, 17.7074, 8.5142



12.4586, 17.7074, 24.2390

Rectangle

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



18.4828, 17.7074, 36.6261



22.0041, 17.7074, 25.1454



15.2795, 17.7074, 8.5142



12.5387, 17.7074, 14.4065

Sweetspot

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



18.4834, 17.7081, 36.6265



52.3786, 54.1106, 69.7399



24.6642, 31.2251, 35.1250



11.4912, 11.8375, 15.6167



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.



18.4834, 17.7081, 36.6265



29.2624, 27.0541, 65.7358



20.2217, 17.3228, 36.4605



6.7783, 7.0157, 8.9000



5.4017, 2.5828, 27.1436



0.1356, 0.0985, 0.5777

Inverse Universe

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



23.0921, 19.2051, 18.4100



38.9029, 30.3942, 27.5843



26.7465, 32.6679, 18.5324



7.1131, 7.1017, 7.5819



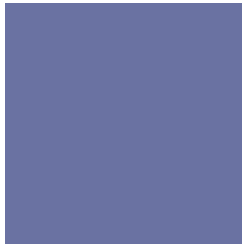
11.8720, 6.1049, 1.2506



0.2606, 0.1327, 0.0851

Previews

White Background



This preview shows how the XYZ color 18.4828, 17.7074, 36.6261 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 18.4828, 17.7074, 36.6261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

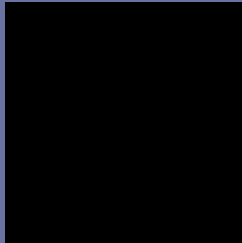
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4828, 17.7074, 36.6261

Background



This preview shows how black text looks on a background with the XYZ color 18.4828, 17.7074, 36.6261.



This preview shows how white text looks on a background with the XYZ color 18.4828, 17.7074,

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

18.4828, 17.7074, 36.6261

Protanopia

18.2211, 17.7306, 37.1123

Deuteranopia

18.1318, 17.6949, 36.6422



Tritanopia

15.8913, 17.6973, 23.6975

Trichromacy



Original Color

18.4828, 17.7074, 36.6261

Protanomaly

18.3351, 17.7894, 37.1177

Deuteranomaly

18.2458, 17.7537, 36.6476

Tritanomaly

16.8404, 17.7346, 28.1267

Monochromacy



Original Color

18.4828, 17.7074, 36.6261

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2891, 17.6949, 24.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4828, 17.7074, 36.6261 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, 114, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 114, 162)  
}
```

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, 114, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 114, 162) }
```

Border

The CSS property to change the border of an element to XYZ 18.4828, 17.7074, 36.6261 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, 114, 162) }
```


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

```
.border{ border-color:rgb(106, 114, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 114, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 114, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 114, 162);  
box-shadow:4px 4px 4px 4px rgb(106, 114,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4828, 17.7074, 36.6261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 114, 162) }
```

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

```
.background{ background-color: rgb(106,  
114, 162) }
```

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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