

Converting Colors

XYZ(18.3634, 17.4321, 36.5799)

Have a look what the booklet for
XYZ(18.3634, 17.4321, 36.5799)
contains.

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Color

**XYZ(18.3706, 17.4831,
36.5888)**

Conversions

Conversions Part 1

Format	Color
Hex	6A71A2
RGB	106, 113, 162
RGB Percent	42%, 44%, 64%
CMY	0.5843, 0.5569, 0.3647
CMYK	0.35, 0.30, 0.00, 0.36
HSL	232°, 23%, 53%
HSV	232°, 35%, 64%
XYZ	18.3706, 17.4831, 36.5888
YIQ	116.4930, -19.9010, 13.7550

Conversions

Conversions Part 2

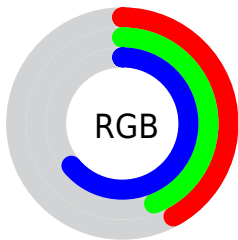
Format	Color
R_{YB}	106, 112, 162
Decimal	6975906
CIE Lab	48.86, 9.51, -27.21
CIE LCh	49, 28.826, 289.257
Yxy	17.4831, 0.2536, 0.2413
Android (android.graphics.Color)	4285165986 (0xFF6A71A2)
YUV	116.4930, 22.4350, -9.2024
Hunter-Lab	41.8128, 5.2522, -22.6135

Details

The XYZ color **18.3706, 17.4831, 36.5888** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.2236, 32.1651, 18.3046**, and the grayscale version is **16.6899, 17.5591, 19.1219**.

A 20% lighter version of the original color is **40.2776, 39.2909, 71.1067**, and **6.3357, 5.7471, 15.5272** is the 20% darker color. If you saturate the color by 10%, you get **15.1644, 13.6634, 36.0208**, and if you desaturate by 10%, it is **22.1887, 21.9857, 37.2570**.

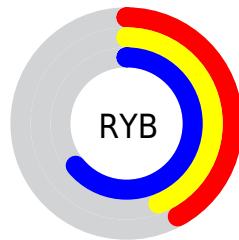
Distribution



Red (42%)

Green (44%)

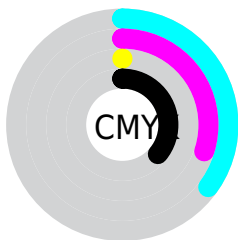
Blue (64%)



Red (42%)

Yellow (44%)

Blue (64%)

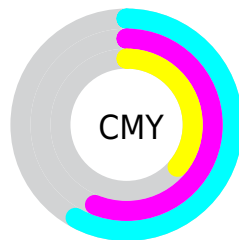


Cyan (35%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (58%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3706, 17.4831, 36.5888 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 18.3706, 17.4831, 36.5888 by changing the saturation by 10% instead.

■ 18.3706, 17.4831,
36.5888

■ 18.3706, 17.4831,
36.5888

235.9571,
237.9412, 346.6417

■ 11.3177, 10.5795,
24.5960

■ 40.1930, 39.1545,
71.1191

■ 6.3498, 5.7849,
15.5600

■ 55.6931, 54.6912,
94.4938

■ 3.1016, 2.7147,
9.0624

■ 74.7397, 73.8744,
122.4994

■ 1.2077, 0.9847,
4.6845

■ 97.6982, 97.0884,
155.5546

■ 0.1124, 0.0000,
2.0079

124.9338,
124.7177, 194.0779

■ 0.0000, 0.0000,
0.5601

156.8119,

■ 0.0000, 0.0000,

157.1466, 238.4878

0.0000

193.6979,
194.7597, 289.2029

■ 18.3706, 17.4831,
36.5888

■ 18.3706, 17.4831,
36.5888

■ 15.1644, 13.6634,
36.0208

■ 22.1887, 21.9857,
37.2570

■ 12.5364, 10.4912,
35.5470

■ 26.6466, 27.2002,
38.0285

■ 10.4522, 7.9307,
35.1627

■ 31.7724, 33.1566,
38.9081

■ 8.8731, 5.9420,
34.8620

■ 37.5923, 39.8825,
39.8995

■ 7.7551, 4.4803,
34.6388

■ 44.1309, 47.4040,
41.0067

■ 7.0460, 3.4937,
34.4858

■ 51.4117, 55.7459,
42.2331

■ 6.7763, 3.1179,
34.4274

■ 59.4569, 64.9322,
43.5822

■ 68.2881, 74.9857,
45.0573

■ 77.9257, 85.9283,
46.6615

Harmonies

Analogous

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



15.6773, 17.4831, 37.4701



18.3706, 17.4831, 36.5888



20.8235, 17.4831, 30.3506

Triad

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



18.3706, 17.4831, 36.5888



20.2027, 17.4831, 9.9196



12.0616, 17.4831, 16.4218

Complementary

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



18.3706, 17.4831, 36.5888



29.2236, 32.1651, 18.3046

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.



13.0192, 17.4831, 10.9542



18.3706, 17.4831, 36.5888



17.5938, 17.4831, 7.9271

Square

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



18.3706, 17.4831, 36.5888



21.9571, 17.4831, 14.5824



14.9790, 17.4831, 8.2467



12.2218, 17.4831, 24.3153

Rectangle

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



18.3706, 17.4831, 36.5888



21.9023, 17.4831, 24.7403



14.9790, 17.4831, 8.2467



12.2590, 17.4831, 14.2839

Sweetspot

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



18.3712, 17.4838, 36.5892



52.2950, 53.9433, 69.7120



24.7420, 31.2562, 35.5347



11.4703, 11.7957, 15.6098



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.



18.3712, 17.4838, 36.5892



29.0434, 26.6160, 65.6628



20.3593, 17.3937, 36.4670



6.7685, 6.9960, 8.8967



5.3569, 2.4933, 27.1287



0.1322, 0.0916, 0.5766

Inverse Universe

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



23.0355, 19.1824, 18.1119



38.7923, 30.3499, 27.0022



26.5864, 32.5854, 18.5247



7.1081, 7.0997, 7.5559



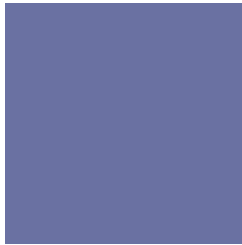
11.8494, 6.0958, 1.1316



0.2589, 0.1320, 0.0759

Previews

White Background



This preview shows how the XYZ color 18.3706, 17.4831, 36.5888 looks on a white background.

Color Contrast Check

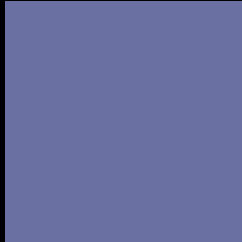
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3706, 17.4831, 36.5888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

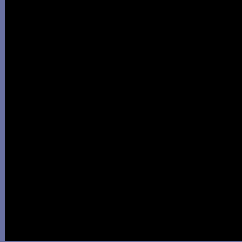
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3706, 17.4831, 36.5888

Background



This preview shows how black text looks on a background with the XYZ color 18.3706, 17.4831, 36.5888.

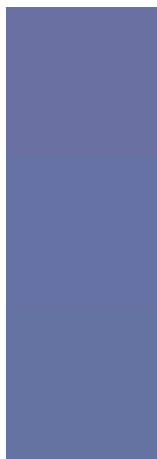


This preview shows how white text looks on a background with the XYZ color 18.3706, 17.4831,

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

18.3706, 17.4831, 36.5888

Protanopia

17.9950, 17.4457, 37.0692

Deuteranopia

17.9079, 17.5794, 36.6317



Tritanopia

15.7049, 17.4313, 23.3057

Trichromacy



Original Color

18.3706, 17.4831, 36.5888

Protanomaly

18.2217, 17.5625, 37.0799

Deuteranomaly

18.0184, 17.4680, 36.6044

Tritanomaly

16.6485, 17.4704, 27.6940

Monochromacy



Original Color

18.3706, 17.4831, 36.5888

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0465, 17.3997, 24.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3706, 17.4831, 36.5888 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, 113, 162)` looks like.

```
.text, #text, p{  
    color:rgb(106, 113, 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, 113, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 113, 162) }
```

Border

The CSS property to change the border of an element to XYZ 18.3706, 17.4831, 36.5888 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, 113, 162) }
```


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

```
.border{ border-color:rgb(106, 113, 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, 113, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 113, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 113, 162);  
box-shadow:4px 4px 4px 4px rgb(106, 113,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3706, 17.4831, 36.5888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 113, 162) }
```

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

```
.background{ background-color: rgb(106,  
113, 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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