

Converting Colors

XYZ(18.6811, 18.3100, 37.1999)

Have a look what the booklet for
XYZ(18.6811, 18.3100, 37.1999)
contains.

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Color

**XYZ(18.6811, 18.3100,
37.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	6875A3
RGB	104, 117, 163
RGB Percent	41%, 46%, 64%
CMY	0.5921, 0.5412, 0.3608
CMYK	0.36, 0.28, 0.00, 0.36
HSL	227°, 24%, 52%
HSV	227°, 36%, 64%
XYZ	18.6811, 18.3100, 37.1999
YIQ	118.3570, -22.5140, 11.5500

Conversions

Conversions Part 2

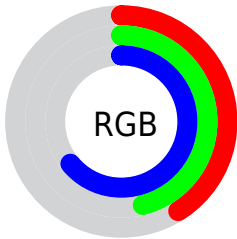
Format	Color
RYB	104, 115, 163
Decimal	6845859
CIELab	49.87, 6.79, -26.25
CIELCh	50, 27.110, 284.497
Yxy	18.3100, 0.2518, 0.2468
Android (android.graphics.Color)	4285035939 (0xFF6875A3)
YUV	118.3570, 22.0090, -12.5911
Hunter-Lab	42.7902, 3.0457, -21.5910

Details

The XYZ color **18.6811, 18.3100, 37.1999** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.5098, 30.5992, 17.5011**, and the grayscale version is **17.2705, 18.1699, 19.7870**.

A 20% lighter version of the original color is **40.7475, 40.6060, 72.0198**, and **6.5187, 6.1882, 15.8898** is the 20% darker color. If you saturate the color by 10%, you get **15.5873, 14.6645, 36.6596**, and if you desaturate by 10%, it is **22.3430, 22.5476, 37.8252**.

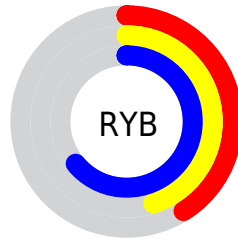
Distribution



Red (41%)

Green (46%)

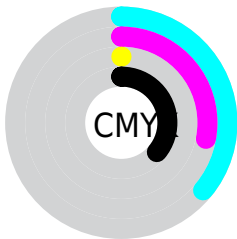
Blue (64%)



Red (41%)

Yellow (45%)

Blue (64%)

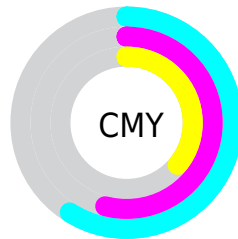


Cyan (36%)

Magenta (28%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6811, 18.3100, 37.1999 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 18.6811, 18.3100, 37.1999 by changing the saturation by 10% instead.

■ 18.6811, 18.3100,
37.1999

■ 18.6811, 18.3100,
37.1999

237.6546,
242.6126, 349.3699

■ 11.5427, 11.1728,
25.0653

■ 40.7156, 40.5649,
72.0699

■ 6.5031, 6.1832,
15.9063

■ 56.3424, 56.4513,
95.6424

■ 3.1969, 2.9568,
9.3042

■ 75.5294, 76.0229,
123.8645

■ 1.2587, 1.1092,
4.8406

■ 98.6419, 99.6641,
157.1549

■ 0.1520, 0.0000,
2.0970

126.0454,
127.7593, 195.9322

■ 0.0000, 0.0000,
0.6140

158.1051,

■ 0.0000, 0.0000,

160.6928, 240.6147

0.0000

195.1863,
198.8491, 291.6211

■ 18.6811, 18.3100,
37.1999

■ 18.6811, 18.3100,
37.1999

■ 15.5873, 14.6645,
36.6596

■ 22.3430, 22.5476,
37.8252

■ 13.0304, 11.5818,
36.1994

■ 26.5980, 27.4003,
38.5376

■ 10.9792, 9.0337,
35.8157

■ 31.4721, 32.8925,
39.3408

■ 9.3982, 6.9879,
35.5041

■ 36.9892, 39.0468,
40.2379

■ 8.2471, 5.4090,
35.2600

■ 43.1716, 45.8844,
41.2318

■ 7.4729, 4.2531,
35.0777

■ 50.0409, 53.4257,
42.3254

■ 7.2392, 3.9010,
35.0221

■ 57.6175, 61.6901,
43.5213

■ 65.9209, 70.6966,
44.8220

■ 74.9700, 80.4630,
46.2302

Harmonies

Analogous

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



16.1043, 18.3100, 37.1016



18.6811, 18.3100, 37.1999



21.1361, 18.3100, 31.9527

Triad

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



18.6811, 18.3100, 37.1999



21.2067, 18.3100, 11.5108



13.0277, 18.3100, 16.3586

Complementary

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



18.6811, 18.3100, 37.1999



28.5098, 30.5992, 17.5011

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.



14.1377, 18.3100, 11.3882



18.6811, 18.3100, 37.1999



18.7699, 18.3100, 9.1007

Square

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



18.6811, 18.3100, 37.1999



22.6895, 18.3100, 16.5718



16.1848, 18.3100, 9.0623



13.0090, 18.3100, 23.7283

Rectangle

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



18.6811, 18.3100, 37.1999



22.3015, 18.3100, 26.7372



16.1848, 18.3100, 9.0623



13.2803, 18.3100, 14.3994

Sweetspot

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



18.6817, 18.3107, 37.2003



51.8498, 53.8347, 69.7145



24.2501, 31.3153, 33.2984



11.3965, 11.8105, 15.6165



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.



18.6817, 18.3107, 37.2003



29.1541, 27.7342, 65.8728



19.2706, 16.5198, 36.8236



6.8212, 7.1013, 8.9143



5.6551, 3.0896, 27.2281



0.1506, 0.1286, 0.5827

Inverse Universe

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



23.2660, 18.9722, 19.2661



38.6293, 29.4466, 28.7276



27.6769, 33.4220, 18.0898



7.1347, 7.1103, 7.6958



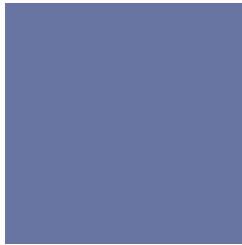
11.9999, 6.1560, 1.9241



0.2682, 0.1358, 0.1250

Previews

White Background



This preview shows how the XYZ color 18.6811, 18.3100, 37.1999 looks on a white background.

Color Contrast Check

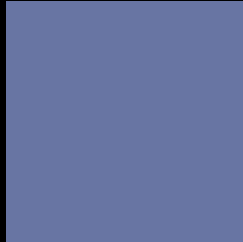
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6811, 18.3100, 37.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

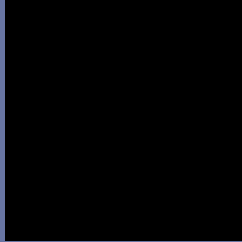
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6811, 18.3100, 37.1999

Background



This preview shows how black text looks on a background with the XYZ color 18.6811, 18.3100, 37.1999.



This preview shows how white text looks on a background with the XYZ color 18.6811, 18.3100,

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

18.6811, 18.3100, 37.1999

Protanopia

18.7978, 18.3702, 37.2054

Deuteranopia

18.6811, 18.3100, 37.1999



Tritanopia

16.2464, 18.4008, 24.8857

Trichromacy



Original Color

18.6811, 18.3100, 37.1999

Protanomaly

18.7978, 18.3702, 37.2054

Deuteranomaly

18.6811, 18.3100, 37.1999

Tritanomaly

17.1269, 18.3977, 29.0340

Monochromacy



Original Color

18.6811, 18.3100, 37.1999

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5916, 18.1888, 25.1379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6811, 18.3100, 37.1999 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(104, 117, 163)` looks like.

```
.text, #text, p{  
    color:rgb(104, 117, 163)  
}
```

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(104, 117, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 117, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.6811, 18.3100, 37.1999 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(104, 117, 163) }
```


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

```
.border{ border-color:rgb(104, 117, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 117, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 117, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 117, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 117,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6811, 18.3100, 37.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 117, 163) }
```

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

```
.background{ background-color: rgb(104,  
117, 163) }
```

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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