

Converting Colors

XYZ(18.2053, 15.8923, 33.5604)

Have a look what the booklet for
XYZ(18.2053, 15.8923, 33.5604)
contains.

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Color

**XYZ(18.1871, 15.8827,
33.5596)**

Conversions

Conversions Part 1

Format	Color
Hex	75679C
RGB	117, 103, 156
RGB Percent	46%, 40%, 61%
CMY	0.5412, 0.5961, 0.3882
CMYK	0.25, 0.34, 0.00, 0.39
HSL	256°, 21%, 51%
HSV	256°, 34%, 61%
XYZ	18.1871, 15.8827, 33.5596
YIQ	113.2280, -8.6690, 19.4510

Conversions

Conversions Part 2

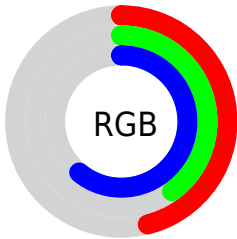
Format	Color
R_{YB}	117, 103, 156
Decimal	7694236
CIE _{Lab}	46.82, 17.35, -26.79
CIE _{LCh}	47, 31.913, 302.926
Yxy	15.8827, 0.2689, 0.2348
Android (android.graphics.Color)	4285884316 (0xFF75679C)
YUV	113.2280, 21.0866, 3.3080
Hunter-Lab	39.8531, 11.7161, -22.0299

Details

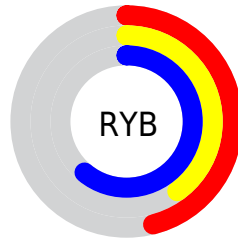
The XYZ color **18.1871, 15.8827, 33.5596** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.4924, 30.5074, 17.3775**, and the grayscale version is **15.7053, 16.5232, 17.9938**.

A 20% lighter version of the original color is **39.8910, 36.3604, 66.5438**, and **6.2276, 5.0211, 13.7376** is the 20% darker color. If you saturate the color by 10%, you get **15.3289, 12.3170, 33.0223**, and if you desaturate by 10%, it is **21.5251, 20.1261, 34.2030**.

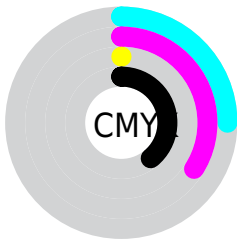
Distribution



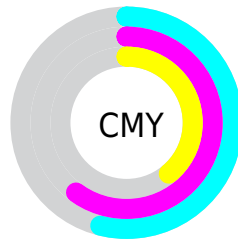
- Red (46%)
- Green (40%)
- Blue (61%)



- Red (46%)
- Yellow (40%)
- Blue (61%)



- Cyan (25%)
- Magenta (34%)
- Yellow (0%)
- Black (39%)



- Cyan (54%)
- Magenta (60%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1871, 15.8827, 33.5596 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 18.1871, 15.8827, 33.5596 by changing the saturation by 10% instead.

■ 18.1871, 15.8827,
33.5596

■ 18.1871, 15.8827,
33.5596

234.9488,
228.6486, 332.8728

■ 11.1849, 9.4412,
22.2809

■ 39.8835, 36.3944,
66.3743

■ 6.2595, 5.0301,
13.8631

■ 55.3083, 51.2335,
88.7473

■ 3.0457, 2.2649,
7.8879

■ 74.2715, 69.6405,
115.6555

■ 1.1780, 0.7550,
3.9365

■ 97.1383, 91.9998,
147.5174

■ 0.0889, 0.0000,
1.5906

124.2740,
118.6959, 184.7515

■ 0.0000, 0.0000,
0.2841

156.0441,

■ 0.0000, 0.0000,

150.1131, 227.7764

0.0000

192.8139,
186.6359, 277.0107

■ 18.1871, 15.8827,
33.5596

■ 18.1871, 15.8827,
33.5596

■ 15.3289, 12.3170,
33.0223

■ 21.5251, 20.1261,
34.2030

■ 12.9259, 9.3915,
32.5842

■ 25.3625, 25.0786,
34.9567

■ 10.9537, 7.0675,
32.2396

■ 29.7200, 30.7715,
35.8259

■ 9.3848, 5.3016,
31.9814

■ 34.6164, 37.2341,
36.8152

■ 8.1882, 4.0441,
31.8018

■ 40.0697, 44.4937,
37.9290

■ 7.3277, 3.2359,
31.6911

■ 46.0970, 52.5765,
39.1715

■ 6.9235, 2.8760,
31.6430

■ 52.7147, 61.5074,
40.5465

■ 59.9383, 71.3102,
42.0579

■ 67.7831, 82.0080,
43.7093

Harmonies

Analogous

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



15.3701, 15.8827, 37.4930



18.1871, 15.8827, 33.5596



20.3649, 15.8827, 25.2259

Triad

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



18.1871, 15.8827, 33.5596



17.6581, 15.8827, 6.9410



10.3682, 15.8827, 18.0856

Complementary

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



18.1871, 15.8827, 33.5596



25.4924, 30.5074, 17.3775

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.



10.8247, 15.8827, 11.2273



18.1871, 15.8827, 33.5596



14.8252, 15.8827, 6.0788

Square

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



18.1871, 15.8827, 33.5596



20.0341, 15.8827, 10.2443



12.3767, 15.8827, 7.3742



11.0444, 15.8827, 27.0043

Rectangle

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



18.1871, 15.8827, 33.5596



21.0367, 15.8827, 19.2453



12.3767, 15.8827, 7.3742



10.3945, 15.8827, 15.4784

Sweetspot

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



18.1876, 15.8833, 33.5600



48.9400, 49.2920, 64.0616



21.3797, 24.8543, 35.1233



10.5477, 10.5580, 14.0523



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.1876, 15.8833, 33.5600



28.8922, 23.6703, 60.1728



22.1359, 17.9187, 33.7447



6.4409, 6.5158, 8.3249



5.7318, 2.3839, 26.0653



0.1390, 0.0614, 0.4678

Inverse Universe

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



23.4435, 18.7220, 27.9698



40.0955, 29.7306, 47.8308



21.5729, 28.4868, 17.1941



6.8293, 6.7246, 7.9522



13.8470, 6.8434, 13.9772



0.2638, 0.1289, 0.3355

Previews

White Background



This preview shows how the XYZ color 18.1871, 15.8827, 33.5596 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 18.1871, 15.8827, 33.5596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

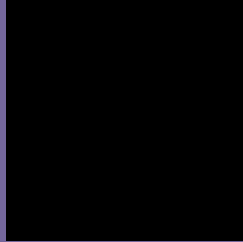
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1871, 15.8827, 33.5596

Background



This preview shows how black text looks on a background with the XYZ color 18.1871, 15.8827, 33.5596.



This preview shows how white text looks on a background with the XYZ color 18.1871, 15.8827,

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

18.1871, 15.8827, 33.5596

Protanopia

16.5178, 15.8902, 35.9147

Deuteranopia

16.3162, 16.0052, 33.2397



Tritanopia

15.3361, 15.7988, 19.6939

Trichromacy



Original Color

18.1871, 15.8827, 33.5596

Protanomaly

16.9952, 15.8434, 34.9632

Deuteranomaly

16.8830, 15.8250, 33.1750

Tritanomaly

16.2326, 15.6920, 24.0031

Monochromacy



Original Color

18.1871, 15.8827, 33.5596

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3705, 16.0997, 23.0136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1871, 15.8827, 33.5596 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(117, 103, 156)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 156)  
}
```

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(117, 103, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.1871, 15.8827, 33.5596 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(117, 103, 156) }
```


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

```
.border{ border-color:rgb(117, 103, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 156);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1871, 15.8827, 33.5596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 156) }
```

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

```
.background{ background-color: rgb(117,  
103, 156) }
```

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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