

Converting Colors

XYZ(18.5550, 15.3903, 33.7586)

Have a look what the booklet for
XYZ(18.5550, 15.3903, 33.7586)
contains.

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Color

**XYZ(18.6219, 15.3806,
33.8856)**

Conversions

Conversions Part 1

Format	Color
Hex	7B629D
RGB	123, 98, 157
RGB Percent	48%, 38%, 62%
CMY	0.5176, 0.6157, 0.3843
CMYK	0.22, 0.38, 0.00, 0.38
HSL	265°, 23%, 50%
HSV	265°, 38%, 62%
XYZ	18.6219, 15.3806, 33.8856
YIQ	112.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

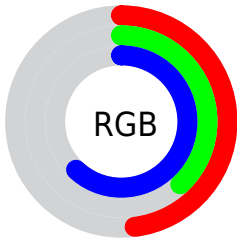
Format	Color
R_{YB}	123, 98, 157
Decimal	8086173
CIE _{Lab}	46.15, 22.51, -28.38
CIE _{LCh}	46, 36.220, 308.421
Yxy	15.3806, 0.2743, 0.2266
Android (android.graphics.Color)	4286276253 (0xFF7B629D)
YUV	112.2010, 22.0859, 9.4707
Hunter-Lab	39.2181, 16.1253, -23.7756

Details

The XYZ color **18.6219, 15.3806, 33.8856** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.7776, 29.9016, 16.0742**, and the grayscale version is **15.3985, 16.2005, 17.6423**.

A 20% lighter version of the original color is **40.5356, 35.4785, 66.9989**, and **6.4813, 4.8040, 13.9503** is the 20% darker color. If you saturate the color by 10%, you get **16.0596, 12.0890, 33.3856**, and if you desaturate by 10%, it is **21.5931, 19.3114, 34.4880**.

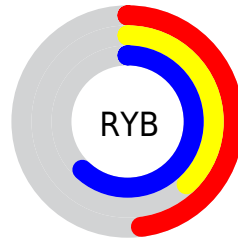
Distribution



Red (48%)

Green (38%)

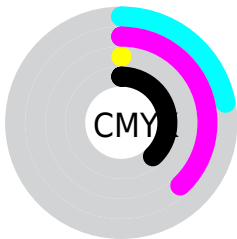
Blue (62%)



Red (48%)

Yellow (38%)

Blue (62%)

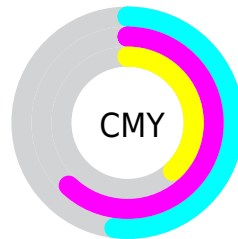


Cyan (22%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6219, 15.3806, 33.8856 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 18.6219, 15.3806, 33.8856 by changing the saturation by 10% instead.

■ 18.6219, 15.3806,
33.8856

■ 18.6219, 15.3806,
33.8856

237.3318,
225.6585, 334.3752

■ 11.4998, 9.0869,
22.5291

■ 40.6160, 35.5195,
66.8876

■ 6.4738, 4.7979,
14.0442

■ 56.2188, 50.1335,
89.3701

■ 3.1786, 2.1292,
8.0123

■ 75.3791, 68.2898,
116.3984

■ 1.2489, 0.6810,
4.0149

■ 98.4623, 90.3727,
148.3910

■ 0.1445, 0.0000,
1.6335

125.8339,
116.7666, 185.7665

■ 0.0000, 0.0000,
0.3146

157.8591,

■ 0.0000, 0.0000,

147.8559, 228.9433

0.0000

194.9033,
184.0251, 278.3400

■ 18.6219, 15.3806,
33.8856

■ 18.6219, 15.3806,
33.8856

■ 16.0596, 12.0890,
33.3856

■ 21.5931, 19.3114,
34.4880

■ 13.8843, 9.3992,
32.9810

■ 24.9902, 23.9122,
35.1970

■ 12.0746, 7.2727,
32.6659

■ 28.8311, 29.2141,
36.0179

■ 10.6059, 5.6656,
32.4332

■ 33.1323, 35.2456,
36.9554

■ 9.4500, 4.5271,
32.2743

■ 37.9092, 42.0335,
38.0138

■ 8.5614, 3.7718,
32.1754

■ 43.1767, 49.6033,
39.1973

■ 8.3684, 3.6110,
32.1545

■ 48.9488, 57.9795,
40.5099

■ 55.2390, 67.1852,
41.9552

■ 62.0603, 77.2427,
43.5370

Harmonies

Analogous

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



15.5045, 15.3806, 39.7883



18.6219, 15.3806, 33.8856



20.8550, 15.3806, 23.8009

Triad

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



18.6219, 15.3806, 33.8856



16.9098, 15.3806, 5.3989



9.5027, 15.3806, 19.3590

Complementary

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



18.6219, 15.3806, 33.8856



23.7776, 29.9016, 16.0742

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.



9.7691, 15.3806, 11.2456



18.6219, 15.3806, 33.8856



13.7675, 15.3806, 4.9391

Square

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



18.6219, 15.3806, 33.8856



19.7738, 15.3806, 8.2553



11.2349, 15.3806, 6.6546



10.4480, 15.3806, 29.6718

Rectangle

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



18.6219, 15.3806, 33.8856



21.3832, 15.3806, 17.2191



11.2349, 15.3806, 6.6546



9.4565, 15.3806, 16.2834

Sweetspot

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



18.6224, 15.3812, 33.8859



49.0402, 48.7209, 63.9461



19.4311, 21.6472, 35.0528



10.6020, 10.4596, 14.0305



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.



18.6224, 15.3812, 33.8859



29.4963, 22.5810, 59.9307



23.4184, 17.8536, 34.1104



6.5379, 6.5657, 8.3294



6.8372, 2.9537, 26.1170



0.1695, 0.0772, 0.4692

Inverse Universe

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



22.4375, 17.5699, 24.0387



37.5188, 27.1902, 38.9161



19.8460, 27.8748, 15.8902



6.7852, 6.7070, 7.7199



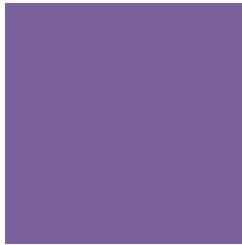
12.8271, 6.4354, 8.6067



0.2502, 0.1234, 0.2638

Previews

White Background



This preview shows how the XYZ color 18.6219, 15.3806, 33.8856 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 18.6219, 15.3806, 33.8856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

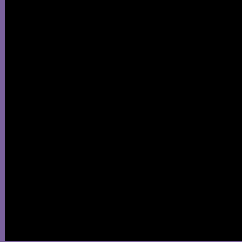
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6219, 15.3806, 33.8856

Background



This preview shows how black text looks on a background with the XYZ color 18.6219, 15.3806, 33.8856.

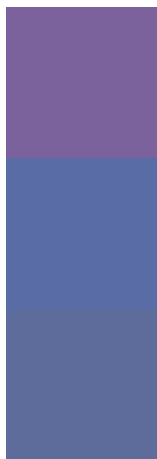


This preview shows how white text looks on a background with the XYZ color 18.6219, 15.3806,

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

18.6219, 15.3806, 33.8856

Protanopia

16.3705, 15.6154, 37.7486

Deuteranopia

15.7932, 15.4188, 33.1541



Tritanopia

15.5547, 15.4662, 18.3851

Trichromacy



Original Color

18.6219, 15.3806, 33.8856

Protanomaly

16.9514, 15.3340, 36.2488

Deuteranomaly

16.6600, 15.2440, 33.5168

Tritanomaly

16.5873, 15.4343, 23.2240

Monochromacy



Original Color

18.6219, 15.3806, 33.8856

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.3564, 15.7869, 22.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6219, 15.3806, 33.8856 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(123, 98, 157)` looks like.

```
.text, #text, p{  
    color:rgb(123, 98, 157)  
}
```

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(123, 98, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 98, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.6219, 15.3806, 33.8856 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(123, 98, 157) }
```


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

```
.border{ border-color:rgb(123, 98, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 98, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 98, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 98, 157);  
box-shadow:4px 4px 4px 4px rgb(123, 98,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6219, 15.3806, 33.8856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 98, 157) }
```

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

```
.background{ background-color: rgb(123, 98,  
157) }
```

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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