

Converting Colors

XYZ(16.8633, 15.0024, 19.1415)

Have a look what the booklet for
XYZ(16.8633, 15.0024, 19.1415)
contains.

XYZ(16.7851, 14.8988, 19.1306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7851, 14.8988,
19.1306)**

Conversions

Conversions Part 1

Format	Color
Hex	816376
RGB	129, 99, 118
RGB Percent	51%, 39%, 46%
CMY	0.4941, 0.6118, 0.5373
CMYK	0.00, 0.23, 0.09, 0.49
HSL	322°, 13%, 45%
HSV	322°, 23%, 51%
XYZ	16.7851, 14.8988, 19.1306
YIQ	110.1360, 11.7810, 12.2690

Conversions

Conversions Part 2

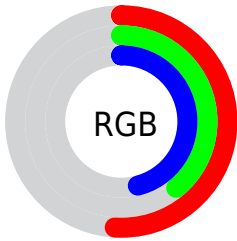
Format	Color
R_{YB}	129, 99, 118
Decimal	8479606
CIE _{Lab}	45.50, 15.46, -5.99
CIE _{LCh}	45, 16.576, 338.811
Yxy	14.8988, 0.3303, 0.2932
Android (android.graphics.Color)	4286669686 (0xFF816376)
YUV	110.1360, 3.8770, 16.5437
Hunter-Lab	38.5990, 10.0741, -2.3663

Details

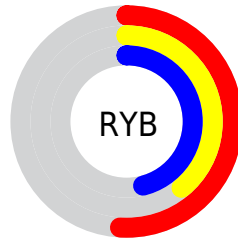
The XYZ color **16.7851, 14.8988, 19.1306** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.8109, 19.4794, 17.6793**, and the grayscale version is **14.8472, 15.6204, 17.0107**.

A 20% lighter version of the original color is **37.4534, 34.6601, 42.7463**, and **5.5579, 4.5604, 6.3817** is the 20% darker color. If you saturate the color by 10%, you get **15.3852, 12.5376, 17.3118**, and if you desaturate by 10%, it is **18.3952, 17.6575, 21.0894**.

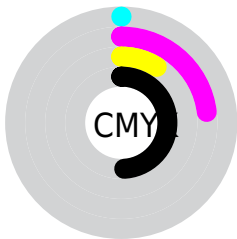
Distribution



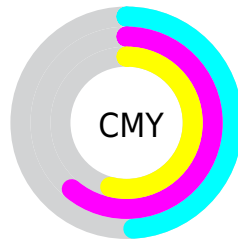
- Red (51%)
- Green (39%)
- Blue (46%)



- Red (51%)
- Yellow (39%)
- Blue (46%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (49%)



- Cyan (49%)
- Magenta (61%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7851, 14.8988, 19.1306 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 16.7851, 14.8988, 19.1306 by changing the saturation by 10% instead.

■ 16.7851, 14.8988,
19.1306

■ 16.7851, 14.8988,
19.1306

227.1114,
222.7529, 259.6155

■ 10.1757, 8.7484,
11.5869

■ 37.5025, 34.6755,
42.7943

■ 5.5788, 4.5774,
6.3440

■ 52.3412, 49.0707,
59.7514

■ 2.6289, 2.0015,
2.9832

■ 70.6537, 66.9828,
80.6834

■ 0.9607, 0.6084,
1.0861

■ 92.8055, 88.7964,
106.0088

■ 0.0000, 0.0000,
0.0000

119.1617,
114.8958, 136.1462

150.0879,

145.6654, 171.5141

185.9493,
181.4896, 212.5310

■ 16.7851, 14.8988,
19.1306

■ 16.7851, 14.8988,
19.1306

■ 15.3852, 12.5376,
17.3118

■ 18.3952, 17.6575,
21.0894

■ 14.1849, 10.5532,
15.6278

■ 20.2230, 20.8290,
23.1912

■ 13.1741, 8.9263,
14.0746

■ 22.2773, 24.4303,
25.4401

■ 12.3420, 7.6349,
12.6474

■ 24.5660, 28.4768,
27.8395

■ 11.6759, 6.6546,
11.3409

■ 27.0966, 32.9833,
30.3930

■ 11.1620, 5.9576,
10.1495

■ 29.8761, 37.9636,
33.1037

■ 10.7830, 5.5102,
9.0662

■ 32.9115, 43.4312,
35.9750

■ 10.5648, 5.2718,
8.3829

■ 36.2092, 49.3989,
39.0098

■ 39.7757, 55.8791,
42.2111

Harmonies

Analogous

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



15.8920, 14.8988, 22.9024



16.7851, 14.8988, 19.1306



16.9517, 14.8988, 15.0846

Triad

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



16.7851, 14.8988, 19.1306



13.7578, 14.8988, 9.8054



12.1900, 14.8988, 21.4733

Complementary

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



16.7851, 14.8988, 19.1306



15.8109, 19.4794, 17.6793

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.



11.6945, 14.8988, 17.4158



16.7851, 14.8988, 19.1306



12.5602, 14.8988, 10.9866

Square

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



16.7851, 14.8988, 19.1306



15.1430, 14.8988, 10.1121



11.8255, 14.8988, 13.6247



13.2222, 14.8988, 24.4005

Rectangle

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



16.7851, 14.8988, 19.1306



16.6185, 14.8988, 12.8250



11.8255, 14.8988, 13.6247



11.9583, 14.8988, 20.1721

Sweetspot

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



16.7855, 14.8995, 19.1309



34.8872, 34.9889, 40.0272



14.8553, 13.8244, 22.6545



7.8637, 7.8625, 9.0224



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7855, 14.8995, 19.1309



28.6587, 24.3104, 32.4685



15.9638, 14.5708, 14.8037



4.4333, 4.3865, 5.0863



10.3028, 5.1408, 8.1840



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7855, 14.8995, 19.1309



28.6587, 24.3104, 32.4685



16.6980, 19.8342, 22.3507



4.4333, 4.3865, 5.0863



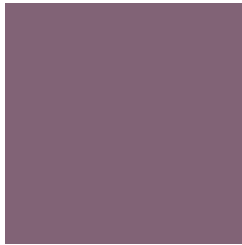
10.3028, 5.1408, 8.1840



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7851, 14.8988, 19.1306 looks on a white background.

Color Contrast Check

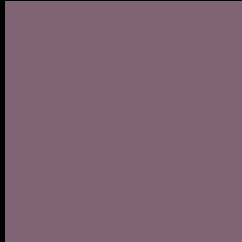
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7851, 14.8988, 19.1306 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 16.7851, 14.8988, 19.1306

Background



This preview shows how black text looks on a background with the XYZ color 16.7851, 14.8988, 19.1306.



This preview shows how white text looks on a background with the XYZ color 16.7851, 14.8988,

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

16.7851, 14.8988, 19.1306

Protanopia

14.6585, 14.9487, 20.8517

Deuteranopia

15.2019, 14.9649, 18.9169



Tritanopia

16.2625, 14.9793, 16.2215

Trichromacy



Original Color

16.7851, 14.8988, 19.1306

Protanomaly

15.3409, 14.8585, 20.1486

Deuteranomaly

15.6689, 14.9068, 18.8811

Tritanomaly

16.3839, 14.8734, 17.3366

Monochromacy



Original Color

16.7851, 14.8988, 19.1306

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4708, 15.2822, 17.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7851, 14.8988, 19.1306 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(129, 99, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 99, 118)  
}
```

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(129, 99, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 99, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.7851, 14.8988, 19.1306 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(129, 99, 118) }
```


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

```
.border{ border-color:rgb(129, 99, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 99, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 99, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 99, 118);  
box-shadow:4px 4px 4px 4px rgb(129, 99,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7851, 14.8988, 19.1306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 99, 118) }
```

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

```
.background{ background-color: rgb(129, 99,  
118) }
```

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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