

Converting Colors

XYZ(16.4969, 14.3704, 19.6438)

Have a look what the booklet for
XYZ(16.4969, 14.3704, 19.6438)
contains.

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Color

**XYZ(16.4751, 14.3110,
19.6633)**

Conversions

Conversions Part 1

Format	Color
Hex	806078
RGB	128, 96, 120
RGB Percent	50%, 38%, 47%
CMY	0.4980, 0.6235, 0.5294
CMYK	0.00, 0.25, 0.06, 0.50
HSL	315°, 14%, 44%
HSV	315°, 25%, 50%
XYZ	16.4751, 14.3110, 19.6633
YIQ	108.3040, 11.3680, 14.2480

Conversions

Conversions Part 2

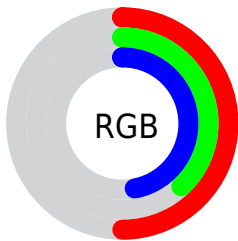
Format	Color
R_{YB}	128, 96, 120
Decimal	8413304
CIE _{Lab}	44.68, 17.25, -8.43
CIE _{LCh}	45, 19.202, 333.943
Yxy	14.3110, 0.3266, 0.2837
Android (android.graphics.Color)	4286603384 (0xFF806078)
YUV	108.3040, 5.7661, 17.2734
Hunter-Lab	37.8299, 11.5353, -4.3370

Details

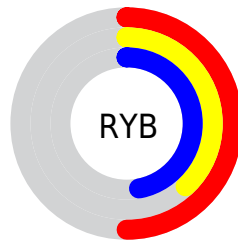
The XYZ color **16.4751, 14.3110, 19.6633** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.0423, 18.9250, 15.9575**, and the grayscale version is **14.3216, 15.0675, 16.4085**.

A 20% lighter version of the original color is **36.9362, 33.6698, 43.5819**, and **5.4099, 4.2842, 6.6727** is the 20% darker color. If you saturate the color by 10%, you get **15.2101, 12.0865, 18.2995**, and if you desaturate by 10%, it is **17.9376, 16.9197, 21.1253**.

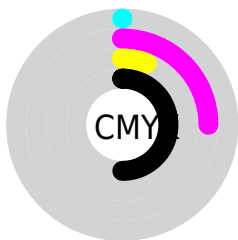
Distribution



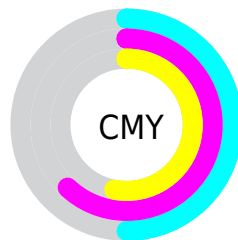
- Red (50%)
- Green (38%)
- Blue (47%)



- Red (50%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (6%)
- Black (50%)



- Cyan (50%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4751, 14.3110, 19.6633 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 16.4751, 14.3110, 19.6633 by changing the saturation by 10% instead.

■ 16.4751, 14.3110,
19.6633

■ 16.4751, 14.3110,
19.6633

225.3448,
219.1571, 262.6302

■ 9.9539, 8.3373,
11.9689

■ 36.9719, 33.6398,
43.7035

■ 5.4305, 4.3115,
6.6002

■ 51.6782, 47.7638,
60.8863

■ 2.5393, 1.8493,
3.1387

■ 69.8436, 65.3732,
82.0691

■ 0.9151, 0.5176,
1.1659

■ 91.8335, 86.8526,
107.6703

■ 0.0000, 0.0000,
0.0000

118.0132,
112.5862, 138.1084

148.7481,

142.9586, 173.8021

184.4035,
178.3541, 215.1698

■ 16.4751, 14.3110,
19.6633

■ 16.4751, 14.3110,
19.6633

■ 15.2101, 12.0865,
18.2995

■ 17.9376, 16.9197,
21.1253

■ 14.1322, 10.2260,
17.0296

■ 19.6049, 19.9278,
22.6878

■ 13.2316, 8.7100,
15.8502

■ 21.4856, 23.3521,
24.3540

■ 12.4974, 7.5168,
14.7574

■ 23.5875, 27.2079,
26.1269

■ 11.9174, 6.6219,
13.7467

■ 25.9176, 31.5096,
28.0091

■ 11.4776, 5.9975,
12.8132

■ 28.4830, 36.2710,
30.0033

■ 11.1574, 5.6025,
11.9497

■ 31.2904, 41.5053,
32.1118

■ 11.0134, 5.4337,
11.5344

■ 34.3460, 47.2251,
34.3373

■ 37.6561, 53.4426,
36.6818

Harmonies

Analogous

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



15.3446, 14.3110, 23.8393



16.4751, 14.3110, 19.6633



16.8154, 14.3110, 14.9996

Triad

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



16.4751, 14.3110, 19.6633



13.3972, 14.3110, 8.4940



11.2650, 14.3110, 20.8811

Complementary

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



16.4751, 14.3110, 19.6633



15.0423, 18.9250, 15.9575

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.



10.8268, 14.3110, 16.1798



16.4751, 14.3110, 19.6633



11.9969, 14.3110, 9.4929

Square

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



16.4751, 14.3110, 19.6633



14.9611, 14.3110, 9.0752



11.0843, 14.3110, 12.1090



12.3281, 14.3110, 24.6314

Rectangle

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



16.4751, 14.3110, 19.6633



16.5282, 14.3110, 12.3530



11.0843, 14.3110, 12.1090



11.0436, 14.3110, 19.3303

Sweetspot

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



16.4755, 14.3116, 19.6636



33.8508, 33.8789, 39.3347



13.7887, 12.8681, 22.1793



7.8936, 7.8745, 9.1800



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.



16.4755, 14.3116, 19.6636



27.6979, 22.8870, 33.2327



15.5841, 13.9551, 14.9696



4.4537, 4.3946, 5.1934



10.9211, 5.3881, 11.4401



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4755, 14.3116, 19.6636



27.6979, 22.8870, 33.2327



15.9337, 19.2815, 20.6516



4.4537, 4.3946, 5.1934



10.9211, 5.3881, 11.4401



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4751, 14.3110, 19.6633 looks on a white background.

Color Contrast Check

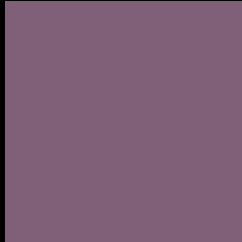
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4751, 14.3110, 19.6633 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 16.4751, 14.3110, 19.6633

Background



This preview shows how black text looks on a background with the XYZ color 16.4751, 14.3110, 19.6633.



This preview shows how white text looks on a background with the XYZ color 16.4751, 14.3110,

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

16.4751, 14.3110, 19.6633

Protanopia

14.2970, 14.4343, 21.7712

Deuteranopia

14.6104, 14.3474, 19.4520



Tritanopia

15.5734, 14.2116, 15.5580

Trichromacy



Original Color

16.4751, 14.3110, 19.6633

Protanomaly

14.9450, 14.3375, 21.0485

Deuteranomaly

15.2231, 14.2282, 19.3967

Tritanomaly

15.8963, 14.2091, 16.9437

Monochromacy



Original Color

16.4751, 14.3110, 19.6633

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9452, 14.7153, 17.3819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4751, 14.3110, 19.6633 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(128, 96, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 120)  
}
```

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(128, 96, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4751, 14.3110, 19.6633 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(128, 96, 120) }
```


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

```
.border{ border-color:rgb(128, 96, 120) }
```

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

Here you see how a box with a 4 pixel rgb(128, 96, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4751, 14.3110, 19.6633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 120) }
```

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

```
.background{ background-color: rgb(128, 96,  
120) }
```

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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