

Converting Colors

XYZ(16.7477, 14.0469, 18.8073)

Have a look what the booklet for
XYZ(16.7477, 14.0469, 18.8073)
contains.

XYZ(16.7981, 14.0996, 18.6658)	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(16.7981, 14.0996,
18.6658)**

Conversions

Conversions Part 1

Format	Color
Hex	855D75
RGB	133, 93, 117
RGB Percent	52%, 36%, 46%
CMY	0.4784, 0.6353, 0.5412
CMYK	0.00, 0.30, 0.12, 0.48
HSL	324°, 18%, 44%
HSV	324°, 30%, 52%
XYZ	16.7981, 14.0996, 18.6658
YIQ	107.6960, 16.1360, 15.9440

Conversions

Conversions Part 2

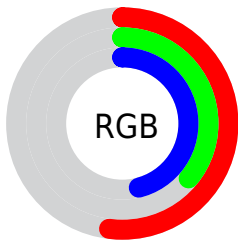
Format	Color
R_{YB}	133, 93, 117
Decimal	8740213
CIE _{Lab}	44.38, 20.35, -7.01
CIE _{LCh}	44, 21.527, 341.003
Yxy	14.0996, 0.3389, 0.2845
Android (android.graphics.Color)	4286930293 (0xFF855D75)
YUV	107.6960, 4.5869, 22.1916
Hunter-Lab	37.5494, 14.1422, -3.1884

Details

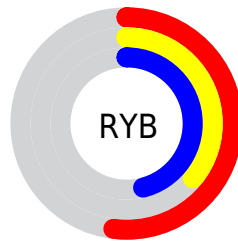
The XYZ color **16.7981, 14.0996, 18.6658** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.6626, 20.2067, 17.5436**, and the grayscale version is **14.1536, 14.8907, 16.2159**.

A 20% lighter version of the original color is **37.6282, 33.3759, 41.9951**, and **5.6185, 4.2227, 6.1492** is the 20% darker color. If you saturate the color by 10%, you get **15.4268, 11.8433, 16.7090**, and if you desaturate by 10%, it is **18.3911, 16.7704, 20.7845**.

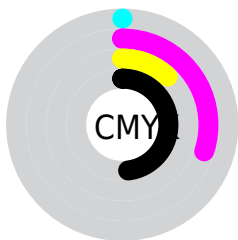
Distribution



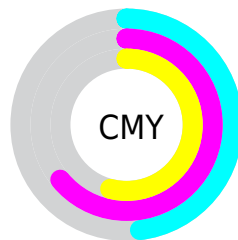
- Red (52%)
- Green (36%)
- Blue (46%)



- Red (52%)
- Yellow (36%)
- Blue (46%)



- Cyan (0%)
- Magenta (30%)
- Yellow (12%)
- Black (48%)



- Cyan (48%)
- Magenta (64%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7981, 14.0996, 18.6658 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 16.7981, 14.0996, 18.6658 by changing the saturation by 10% instead.

■ 16.7981, 14.0996,
18.6658

■ 16.7981, 14.0996,
18.6658

227.1852,
217.8496, 256.9585

■ 10.1851, 8.1900,
11.2547

■ 37.5247, 33.2656,
41.9978

■ 5.5850, 4.2167,
6.1221

■ 52.3689, 47.2909,
58.7557

■ 2.6327, 1.7955,
2.8495

■ 70.6876, 64.7901,
79.4663

■ 0.9626, 0.4844,
1.0183

■ 92.8461, 86.1476,
104.5481

■ 0.0000, 0.0000,
0.0000

119.2098,
111.7480, 134.4197

150.1439,

141.9755, 169.4996

186.0139,
177.2145, 210.2063

■ 16.7981, 14.0996,
18.6658

■ 16.7981, 14.0996,
18.6658

■ 15.4268, 11.8433,
16.7090

■ 18.3911, 16.7704,
20.7845

■ 14.2651, 9.9784,
14.9082

■ 20.2145, 19.8734,
23.0691

■ 13.3017, 8.4826,
13.2584

■ 22.2783, 23.4276,
25.5242

■ 12.5235, 7.3303,
11.7536

■ 24.5911, 27.4503,
28.1543

■ 11.9161, 6.4929,
10.3874

■ 27.1615, 31.9579,
30.9634

■ 11.4623, 5.9368,
9.1526

■ 29.9975, 36.9659,
33.9555

■ 11.1134, 5.5628,
8.0382

■ 33.1067, 42.4893,
37.1344

■ 36.4964, 48.5423,
40.5038

■ 40.1737, 55.1386,
44.0672

Harmonies

Analogous

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



15.7037, 14.0996, 23.7200



16.7981, 14.0996, 18.6658



16.9380, 14.0996, 13.6050

Triad

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



16.7981, 14.0996, 18.6658



12.7765, 14.0996, 7.7723



11.0449, 14.0996, 22.4872

Complementary

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



16.7981, 14.0996, 18.6658



15.6626, 20.2067, 17.5436

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.



10.3947, 14.0996, 17.2426



16.7981, 14.0996, 18.6658



11.3356, 14.0996, 9.2277

Square

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



16.7981, 14.0996, 18.6658



14.5132, 14.0996, 7.9926



10.4963, 14.0996, 12.4557



12.3476, 14.0996, 26.2334

Rectangle

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



16.7981, 14.0996, 18.6658



16.4587, 14.0996, 10.9502



10.4963, 14.0996, 12.4557



10.7481, 14.0996, 20.7990

Sweetspot

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



16.7985, 14.1002, 18.6661



36.5035, 36.1092, 41.6813



14.4553, 12.7741, 23.8943



8.1247, 7.9652, 9.2696



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.7985, 14.1002, 18.6661



28.3833, 22.4453, 31.0318



15.7454, 13.6790, 13.1204



4.7811, 4.7321, 5.4595



10.5897, 5.3002, 7.6777



0.0403, 0.0198, 0.0456

Inverse Universe

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



16.7985, 14.1002, 18.6661



28.3833, 22.4453, 31.0318



16.8646, 20.6875, 23.8734



4.7811, 4.7321, 5.4595



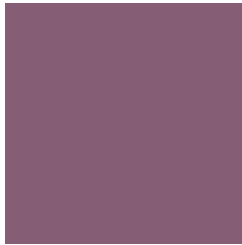
10.5897, 5.3002, 7.6777



0.0403, 0.0198, 0.0456

Previews

White Background



This preview shows how the XYZ color 16.7981, 14.0996, 18.6658 looks on a white background.

Color Contrast Check

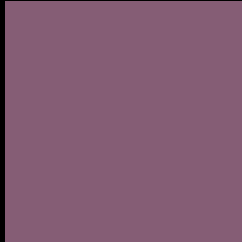
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7981, 14.0996, 18.6658 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 16.7981, 14.0996, 18.6658

Background



This preview shows how black text looks on a background with the XYZ color 16.7981, 14.0996, 18.6658.



This preview shows how white text looks on a background with the XYZ color 16.7981, 14.0996,

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

16.7981, 14.0996, 18.6658

Protanopia

13.9552, 14.1226, 21.0592

Deuteranopia

14.4014, 14.1201, 18.1861



Tritanopia

15.9911, 14.1703, 14.7243

Trichromacy



Original Color

16.7981, 14.0996, 18.6658

Protanomaly

14.8184, 14.0055, 20.0115

Deuteranomaly

15.2220, 14.1066, 18.4436

Tritanomaly

16.3147, 14.1727, 16.0631

Monochromacy



Original Color

16.7981, 14.0996, 18.6658

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0556, 14.6301, 17.0693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7981, 14.0996, 18.6658 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(133, 93, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 93, 117)  
}
```

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(133, 93, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 93, 117) }
```

Border

The CSS property to change the border of an element to XYZ 16.7981, 14.0996, 18.6658 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(133, 93, 117) }
```


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

```
.border{ border-color:rgb(133, 93, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 93, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 93, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 93, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 93,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7981, 14.0996, 18.6658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 93, 117) }
```

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

```
.background{ background-color: rgb(133, 93,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor