

Converting Colors

XYZ(16.7776, 14.8845, 12.9829)

Have a look what the booklet for
XYZ(16.7776, 14.8845, 12.9829)
contains.

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Color

**XYZ(16.7955, 14.8983,
13.0568)**

Conversions

Conversions Part 1

Format	Color
Hex	896260
RGB	137, 98, 96
RGB Percent	54%, 38%, 38%
CMY	0.4627, 0.6157, 0.6235
CMYK	0.00, 0.28, 0.30, 0.46
HSL	3°, 18%, 46%
HSV	3°, 30%, 54%
XYZ	16.7955, 14.8983, 13.0568
YIQ	109.4330, 23.8860, 7.6460

Conversions

Conversions Part 2

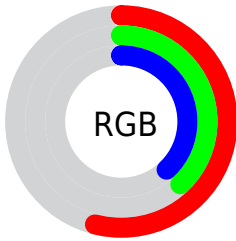
Format	Color
R_{YB}	137, 98, 96
Decimal	9003616
CIE _{Lab}	45.49, 15.52, 7.40
CIE _{LCh}	45, 17.190, 25.497
Yxy	14.8983, 0.3753, 0.3329
Android (android.graphics.Color)	4287193696 (0xFF896260)
YUV	109.4330, -6.6225, 24.1763
Hunter-Lab	38.5983, 10.1246, 6.9626

Details

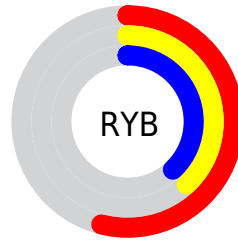
The XYZ color **16.7955, 14.8983, 13.0568** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0028, 21.6200, 26.8910**, and the grayscale version is **14.6728, 15.4369, 16.8108**.

A 20% lighter version of the original color is **37.4216, 34.6466, 31.9093**, and **5.5973, 4.5764, 3.6059** is the 20% darker color. If you saturate the color by 10%, you get **15.0974, 12.4249, 9.6453**, and if you desaturate by 10%, it is **18.8029, 17.8141, 17.1140**.

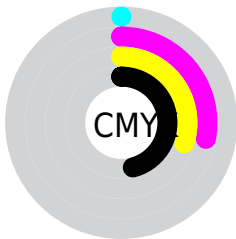
Distribution



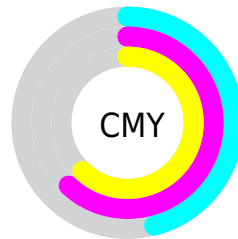
- Red (54%)
- Green (38%)
- Blue (38%)



- Red (54%)
- Yellow (38%)
- Blue (38%)



- Cyan (0%)
- Magenta (28%)
- Yellow (30%)
- Black (46%)



- Cyan (46%)
- Magenta (62%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7955, 14.8983, 13.0568 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 16.7955, 14.8983, 13.0568 by changing the saturation by 10% instead.

■ 16.7955, 14.8983,
13.0568

■ 16.7955, 14.8983,
13.0568

227.1704,
222.7498, 222.5020

■ 10.1832, 8.7480,
7.3365

■ 37.5202, 34.6747,
32.0985

■ 5.5838, 4.5772,
3.5918

■ 52.3634, 49.0696,
46.2569

■ 2.6319, 2.0014,
1.4042

■ 70.6808, 66.9815,
64.0651

■ 0.9623, 0.6083,
0.1450

■ 92.8380, 88.7948,
85.9417

■ 0.0000, 0.0000,
0.0000

119.2002,
114.8939, 112.3051

150.1327,

145.6631, 143.5739

186.0010,
181.4870, 180.1667

■ 16.7955, 14.8983,
13.0568

■ 16.7955, 14.8983,
13.0568

■ 15.0974, 12.4249,
9.6453

■ 18.8029, 17.8141,
17.1140

■ 13.6920, 10.3704,
6.8455

■ 21.1326, 21.1901,
21.8470

■ 12.5632, 8.7121,
4.6215

■ 23.7984, 25.0460,
27.2849

■ 11.6926, 7.4246,
2.9331

■ 26.8128, 29.3993,
33.4548

■ 11.0599, 6.4793,
1.7353

■ 30.1877, 34.2670,
40.3827

■ 10.6414, 5.8435,
0.9755

■ 33.9347, 39.6651,
48.0928

■ 10.3907, 5.4660,
0.5103

■ 38.0645, 45.6089,
56.6087

■ 10.3891, 5.4636,
0.5070

■ 42.5876, 52.1132,
65.9527

■ 47.5140, 59.1920,
76.1465

Harmonies

Analogous

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



17.0883, 14.8983, 16.8491



16.7955, 14.8983, 13.0568



15.7790, 14.8983, 10.5495

Triad

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



16.7955, 14.8983, 13.0568



12.0092, 14.8983, 12.1502



13.9452, 14.8983, 25.4274

Complementary

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



16.7955, 14.8983, 13.0568



18.0028, 21.6200, 26.8910

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.



12.6564, 14.8983, 23.6315



16.7955, 14.8983, 13.0568



11.5876, 14.8983, 15.6101

Square

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



16.7955, 14.8983, 13.0568



13.0072, 14.8983, 10.0913



11.8164, 14.8983, 19.8607



15.3797, 14.8983, 24.4365

Rectangle

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



16.7955, 14.8983, 13.0568



14.8616, 14.8983, 9.7192



11.8164, 14.8983, 19.8607



13.4816, 14.8983, 25.1222

Sweetspot

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



16.7959, 14.8990, 13.0571



38.1717, 38.4209, 39.7896



18.9173, 15.4514, 25.1414



8.4332, 8.4315, 8.6629



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7959, 14.8990, 13.0571



27.9316, 23.5558, 19.0659



18.8906, 19.0884, 13.7553



5.0512, 5.0853, 5.2677



9.6801, 5.0947, 0.4732



0.0665, 0.0383, 0.0039

Inverse Universe

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



18.0028, 21.6200, 26.8910



30.4571, 37.6284, 48.0409



15.4853, 16.5850, 26.0519



5.1523, 5.6475, 6.4244



11.6824, 16.6352, 24.6409



0.0806, 0.1165, 0.1647

Previews

White Background



This preview shows how the XYZ color 16.7955, 14.8983, 13.0568 looks on a white background.

Color Contrast Check

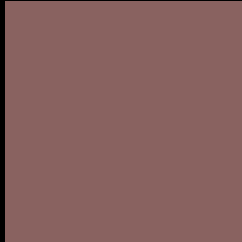
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7955, 14.8983, 13.0568 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 16.7955, 14.8983, 13.0568

Background



This preview shows how black text looks on a background with the XYZ color 16.7955, 14.8983, 13.0568.

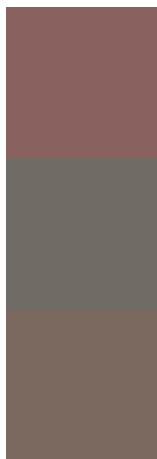


This preview shows how white text looks on a background with the XYZ color 16.7955, 14.8983,

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

16.7955, 14.8983, 13.0568

Protanopia

14.3936, 15.1095, 14.4697

Deuteranopia

15.1843, 14.9378, 12.9095



Tritanopia

17.2546, 14.9521, 15.0733

Trichromacy



Original Color

16.7955, 14.8983, 13.0568

Protanomaly

15.0876, 14.8664, 13.8787

Deuteranomaly

15.7190, 14.9182, 12.8775

Tritanomaly

17.1049, 14.8922, 14.2849

Monochromacy



Original Color

16.7955, 14.8983, 13.0568

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.1580, 15.0246, 15.1978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7955, 14.8983, 13.0568 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(137, 98, 96)` looks like.

```
.text, #text, p{  
    color:rgb(137, 98, 96)  
}
```

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(137, 98, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 98, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.7955, 14.8983, 13.0568 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(137, 98, 96) }
```


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

```
.border{ border-color:rgb(137, 98, 96) }
```

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

Here you see how a box with a 4 pixel rgb(137, 98, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 98, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 98, 96);  
box-shadow:4px 4px 4px 4px rgb(137, 98,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7955, 14.8983, 13.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 98, 96) }
```

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

```
.background{ background-color: rgb(137, 98,  
96) }
```

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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