

Converting Colors

XYZ(18.3137, 17.3041, 14.9453)

Have a look what the booklet for
XYZ(18.3137, 17.3041, 14.9453)
contains.

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Color

**XYZ(18.3481, 17.2999,
14.9425)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6D66
RGB	138, 109, 102
RGB Percent	54%, 43%, 40%
CMY	0.4588, 0.5725, 0.6000
CMYK	0.00, 0.21, 0.26, 0.46
HSL	12°, 15%, 47%
HSV	12°, 26%, 54%
XYZ	18.3481, 17.2999, 14.9425
YIQ	116.8730, 19.5310, 3.9710

Conversions

Conversions Part 2

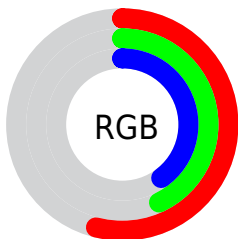
Format	Color
R _Y B	138, 111, 102
Decimal	9071974
CIE Lab	48.64, 10.37, 8.28
CIE LCh	49, 13.269, 38.607
Yxy	17.2999, 0.3627, 0.3420
Android (android.graphics.Color)	4287262054 (0xFF8A6D66)
YUV	116.8730, -7.3324, 18.5284
Hunter-Lab	41.5931, 5.9542, 7.8150

Details

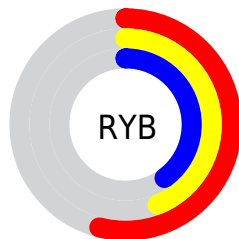
The XYZ color **18.3481, 17.2999, 14.9425** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.1828, 20.8915, 27.1188**, and the grayscale version is **16.8873, 17.7668, 19.3480**.

A 20% lighter version of the original color is **40.2329, 38.9961, 35.5435**, and **6.2888, 5.6396, 4.3715** is the 20% darker color. If you saturate the color by 10%, you get **16.6082, 14.8257, 11.2625**, and if you desaturate by 10%, it is **20.3528, 20.1212, 19.2734**.

Distribution



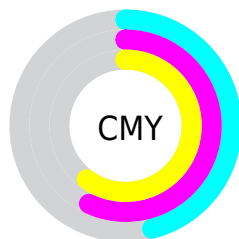
- Red (54%)
- Green (43%)
- Blue (40%)



- Red (54%)
- Yellow (44%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (26%)
- Black (46%)



- Cyan (46%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3481, 17.2999, 14.9425 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 18.3481, 17.2999, 14.9425 by changing the saturation by 10% instead.

■ 18.3481, 17.2999,
14.9425

■ 18.3481, 17.2999,
14.9425

235.8337,
236.8947, 234.6467

■ 11.3014, 10.4485,
8.6329

■ 40.1550, 38.8407,
35.4932

■ 6.3387, 5.6974,
4.4090

■ 55.6460, 54.2989,
50.5713

■ 3.0947, 2.6619,
1.8523

■ 74.6824, 73.3949,
69.4093

■ 1.2041, 0.9579,
0.4621

■ 97.6296, 96.5130,
92.4257

■ 0.1096, 0.0000,
0.0000

124.8530,
124.0376, 120.0391

■ 0.0000, 0.0000,
0.0000

156.7179,

156.3532, 152.6681

193.5897,
193.8441, 190.7311

■ 18.3481, 17.2999,
14.9425

■ 18.3481, 17.2999,
14.9425

■ 16.6082, 14.8257,
11.2625

■ 20.3528, 20.1212,
19.2734

■ 15.1206, 12.6828,
8.2007

■ 22.6315, 23.3000,
24.2834

■ 13.8737, 10.8578,
5.7232

■ 25.1947, 26.8489,
30.0005

■ 12.8544, 9.3352,
3.7927

■ 28.0517, 30.7795,
36.4507

■ 12.0484, 8.0984,
2.3670

■ 31.2116, 35.1028,
43.6589

■ 11.4395, 7.1291,
1.3982

■ 34.6829, 39.8292,
51.6485

■ 11.0059, 6.4054,
0.8114

■ 38.4740, 44.9689,
60.4421

■ 10.8696, 6.1801,
0.6200

■ 42.5928, 50.5316,
70.0613

■ 47.0470, 56.5268,
80.5270

Harmonies

Analogous

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



18.8770, 17.2999, 17.8475



18.3481, 17.2999, 14.9425



17.3150, 17.2999, 13.2407

Triad

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



18.3481, 17.2999, 14.9425



14.3511, 17.2999, 16.4874



16.7971, 17.2999, 26.3032

Complementary

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



18.3481, 17.2999, 14.9425



18.1828, 20.8915, 27.1188

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.



15.6009, 17.2999, 25.8216



18.3481, 17.2999, 14.9425



14.2278, 17.2999, 19.8616

Square

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



18.3481, 17.2999, 14.9425



15.0202, 17.2999, 14.0528



14.6746, 17.2999, 23.3546



17.9530, 17.2999, 24.5989

Rectangle

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



18.3481, 17.2999, 14.9425



16.5002, 17.2999, 12.8791



14.6746, 17.2999, 23.3546



16.3860, 17.2999, 26.3954

Sweetspot

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



18.3486, 17.3007, 14.9429



39.0141, 39.8492, 40.8616



19.3565, 16.5557, 23.7905



8.6258, 8.7641, 8.8895



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.



18.3486, 17.3007, 14.9429



30.5759, 27.9892, 22.5840



20.4173, 21.4382, 15.6324



5.1066, 5.1960, 5.2862



9.9747, 5.6838, 0.5714



0.0746, 0.0544, 0.0066

Inverse Universe

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



18.1828, 20.8915, 27.1188



30.2320, 35.3652, 47.6159



16.0169, 16.5596, 26.3968



5.0916, 5.5261, 6.4041



9.4433, 12.1570, 23.8945



0.0725, 0.1004, 0.1620

Previews

White Background



This preview shows how the XYZ color 18.3481, 17.2999, 14.9425 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 18.3481, 17.2999, 14.9425 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 18.3481, 17.2999, 14.9425

Background



This preview shows how black text looks on a background with the XYZ color 18.3481, 17.2999, 14.9425.

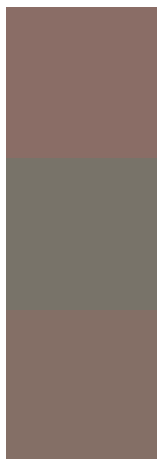


This preview shows how white text looks on a background with the XYZ color 18.3481, 17.2999,

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

18.3481, 17.2999, 14.9425

Protanopia

16.4263, 17.2745, 15.8331

Deuteranopia

17.5984, 17.2337, 14.9693



Tritanopia

18.9997, 17.2422, 18.5463

Trichromacy



Original Color

18.3481, 17.2999, 14.9425

Protanomaly

17.1562, 17.3218, 15.5359

Deuteranomaly

17.8057, 17.1795, 14.9479

Tritanomaly

18.8245, 17.3399, 17.1066

Monochromacy



Original Color

18.3481, 17.2999, 14.9425

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3994, 17.5645, 17.8025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3481, 17.2999, 14.9425 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(138, 109, 102)` looks like.

```
.text, #text, p{  
    color:rgb(138, 109, 102)  
}
```

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(138, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 109, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.3481, 17.2999, 14.9425 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(138, 109, 102) }
```


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

```
.border{ border-color:rgb(138, 109, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(138, 109,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3481, 17.2999, 14.9425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 109, 102) }
```

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

```
.background{ background-color: rgb(138,  
109, 102) }
```

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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