

Converting Colors

XYZ(18.4022, 17.0685, 15.9174)

Have a look what the booklet for
XYZ(18.4022, 17.0685, 15.9174)
contains.

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Color

**XYZ(18.3404, 16.9593,
15.9425)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6B6A
RGB	138, 107, 106
RGB Percent	54%, 42%, 42%
CMY	0.4588, 0.5804, 0.5843
CMYK	0.00, 0.22, 0.23, 0.46
HSL	2°, 13%, 48%
HSV	2°, 23%, 54%
XYZ	18.3404, 16.9593, 15.9425
YIQ	116.1550, 18.7970, 6.2610

Conversions

Conversions Part 2

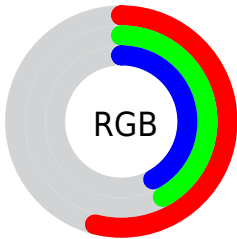
Format	Color
R _Y B	138, 107, 106
Decimal	9071466
CIE Lab	48.21, 12.17, 5.29
CIE LCh	48, 13.270, 23.501
Yxy	16.9593, 0.3579, 0.3310
Android (android.graphics.Color)	4287261546 (0xFF8A6B6A)
YUV	116.1550, -5.0064, 19.1581
Hunter-Lab	41.1817, 7.4277, 5.8745

Details

The XYZ color **18.3404, 16.9593, 15.9425** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.4766, 22.7896, 27.4170**, and the grayscale version is **16.6592, 17.5268, 19.0867**.

A 20% lighter version of the original color is **40.0509, 38.0945, 37.1404**, and **6.3358, 5.5737, 4.8796** is the 20% darker color. If you saturate the color by 10%, you get **16.3922, 14.1204, 12.0329**, and if you desaturate by 10%, it is **20.6205, 20.2769, 20.5330**.

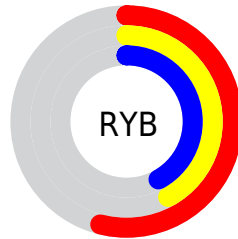
Distribution



Red (54%)

Green (42%)

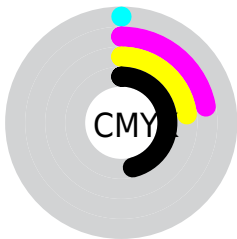
Blue (42%)



Red (54%)

Yellow (42%)

Blue (42%)

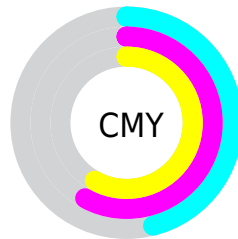


Cyan (0%)

Magenta (22%)

Yellow (23%)

Black (46%)



Cyan (46%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3404, 16.9593, 15.9425 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 18.3404, 16.9593, 15.9425 by changing the saturation by 10% instead.

■ 18.3404, 16.9593,
15.9425

■ 18.3404, 16.9593,
15.9425

235.7914,
234.9377, 240.8363

■ 11.2958, 10.2055,
9.3296

■ 40.1421, 38.2558,
37.2638

■ 6.3349, 5.5354,
4.8570

■ 55.6299, 53.5672,
52.8091

■ 3.0924, 2.5647,
2.1063

■ 74.6628, 72.5000,
72.1691

■ 1.2028, 0.9090,
0.6195

■ 97.6061, 95.4385,
95.7622

■ 0.1086, 0.0000,
0.0000

124.8253,
122.7672, 124.0069

■ 0.0000, 0.0000,
0.0000

156.6857,

154.8703, 157.3218

193.5526,
192.1324, 196.1254

■ 18.3404, 16.9593,
15.9425

■ 18.3404, 16.9593,
15.9425

■ 16.3922, 14.1204,
12.0329

■ 20.6205, 20.2769,
20.5330

■ 14.7592, 11.7359,
8.7707

■ 23.2455, 24.0914,
25.8335

■ 13.4251, 9.7829,
6.1213

■ 26.2294, 28.4229,
31.8727

■ 12.3720, 8.2357,
4.0466

■ 29.5850, 33.2897,
38.6774

■ 11.5796, 7.0657,
2.5038

■ 33.3245, 38.7091,
46.2730

■ 11.0252, 6.2406,
1.4447

■ 37.4594, 44.6978,
54.6840

■ 10.6822, 5.7229,
0.8116

■ 42.0010, 51.2718,
63.9335

■ 10.5282, 5.4972,
0.5062

■ 46.9599, 58.4462,
74.0439

■ 52.3464, 66.2359,
85.0366

Harmonies

Analogous

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



18.5344, 16.9593, 19.2276



18.3404, 16.9593, 15.9425



17.5381, 16.9593, 13.6258

Triad

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



18.3404, 16.9593, 15.9425



14.3264, 16.9593, 14.7911



15.8583, 16.9593, 25.8802

Complementary

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



18.3404, 16.9593, 15.9425



19.4766, 22.7896, 27.4170

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.



14.7792, 16.9593, 24.3344



18.3404, 16.9593, 15.9425



13.9237, 16.9593, 17.7243

Square

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



18.3404, 16.9593, 15.9425



15.2123, 16.9593, 13.0212



14.0852, 16.9593, 21.2422



17.0616, 16.9593, 25.2491

Rectangle

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



18.3404, 16.9593, 15.9425



16.7868, 16.9593, 12.8027



14.0852, 16.9593, 21.2422



15.4698, 16.9593, 25.5923

Sweetspot

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



18.3409, 16.9601, 15.9428



39.0669, 39.6945, 41.6816



20.1842, 17.5311, 26.1627



8.7136, 8.8322, 9.2501



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.



18.3409, 16.9601, 15.9428



30.3998, 27.0848, 24.2276



20.1080, 20.4944, 16.5319



5.0446, 5.0721, 5.2655



9.6549, 5.0443, 0.4648



0.0656, 0.0364, 0.0036

Inverse Universe

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



19.4766, 22.7896, 27.4170



32.7757, 39.2820, 48.2379



17.4257, 18.6877, 26.7333



5.1596, 5.6622, 6.4268



11.9832, 17.2367, 24.7411



0.0816, 0.1184, 0.1650

Previews

White Background



This preview shows how the XYZ color 18.3404, 16.9593, 15.9425 looks on a white background.

Color Contrast Check

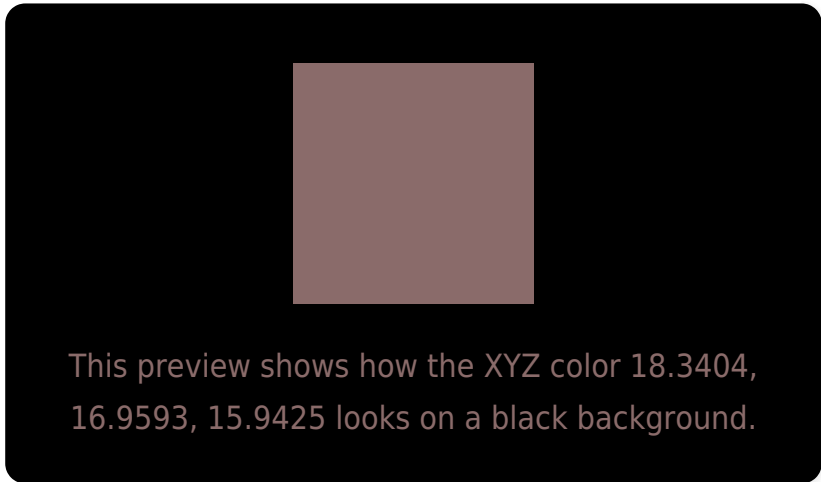
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 18.3404, 16.9593, 15.9425

Background



This preview shows how black text looks on a background with the XYZ color 18.3404, 16.9593, 15.9425.



This preview shows how white text looks on a background with the XYZ color 18.3404, 16.9593,

15.9425.

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

18.3404, 16.9593, 15.9425

Protanopia

16.3030, 17.0120, 17.1762

Deuteranopia

17.2875, 17.0559, 15.7456



Tritanopia

18.8388, 17.0119, 18.2103

Trichromacy



Original Color

18.3404, 16.9593, 15.9425

Protanomaly

16.9022, 16.8330, 16.8262

Deuteranomaly

17.6415, 17.0773, 15.7310

Tritanomaly

18.6707, 16.9447, 17.3255

Monochromacy



Original Color

18.3404, 16.9593, 15.9425

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1419, 17.2652, 17.7583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3404, 16.9593, 15.9425 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, 107, 106)` looks like.

```
.text, #text, p{  
    color:rgb(138, 107, 106)  
}
```

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, 107, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 107, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.3404, 16.9593, 15.9425 is called "border". The border property can be set on classes, ids or directly on the HTML element.

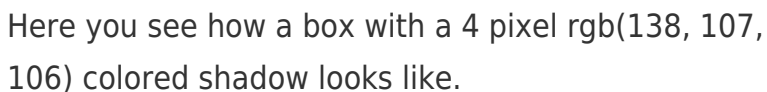
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 107, 106) }
```


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

```
.border{ border-color:rgb(138, 107, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 107, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 107, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 107, 106);  
box-shadow:4px 4px 4px 4px rgb(138, 107,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3404, 16.9593, 15.9425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 107, 106) }
```

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

```
.background{ background-color: rgb(138,  
107, 106) }
```

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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