

Converting Colors

XYZ(16.4899, 15.9237, 12.5604)

Have a look what the booklet for
XYZ(16.4899, 15.9237, 12.5604)
contains.

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Color

**XYZ(16.4899, 15.9237,
12.5604)**

Conversions

Conversions Part 1

Format	Color
Hex	836A5D
RGB	131, 106, 93
RGB Percent	51%, 42%, 36%
CMY	0.4863, 0.5843, 0.6353
CMYK	0.00, 0.19, 0.29, 0.49
HSL	21°, 17%, 44%
HSV	21°, 29%, 51%
XYZ	16.4899, 15.9237, 12.5604
YIQ	111.9930, 19.0730, 1.2570

Conversions

Conversions Part 2

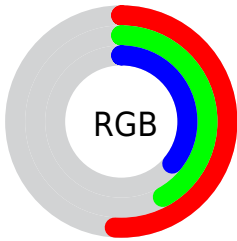
Format	Color
R_{YB}	131, 113, 93
Decimal	8612445
CIE _{Lab}	46.87, 7.86, 11.04
CIE _{LCh}	47, 13.554, 54.572
Yxy	15.9237, 0.3667, 0.3541
Android (android.graphics.Color)	4286802525 (0xFF836A5D)
YUV	111.9930, -9.3635, 16.6691
Hunter-Lab	39.9045, 3.9294, 9.2710

Details

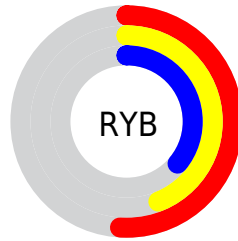
The XYZ color **16.4899, 15.9237, 12.5604** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.0892, 16.9222, 23.9438**, and the grayscale version is **15.4221, 16.2252, 17.6693**.

A 20% lighter version of the original color is **37.0225, 36.4114, 31.0634**, and **5.4704, 5.0825, 3.3820** is the 20% darker color. If you saturate the color by 10%, you get **15.1149, 14.0239, 9.4805**, and if you desaturate by 10%, it is **18.0545, 18.0432, 16.1943**.

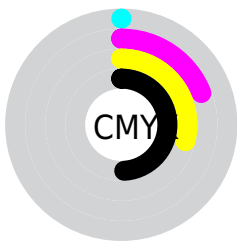
Distribution



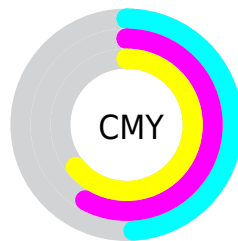
- Red (51%)
- Green (42%)
- Blue (36%)



- Red (51%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (29%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4899, 15.9237, 12.5604 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 16.4899, 15.9237, 12.5604 by changing the saturation by 10% instead.

■ 16.4899, 15.9237,
12.5604

■ 16.4899, 15.9237,
12.5604

225.4294,
228.8911, 219.1888

■ 9.9645, 9.4702,
6.9994

■ 36.9972, 36.4657,
31.1913

■ 5.4375, 5.0491,
3.3833

■ 51.7099, 51.3230,
45.0982

■ 2.5436, 2.2761,
1.2935

■ 69.8824, 69.7503,
62.6242

■ 0.9173, 0.7610,
0.0565

■ 91.8801, 92.1320,
84.1877

■ 0.0000, 0.0000,
0.0000

118.0682,
118.8525, 110.2074

148.8123,

150.2963, 141.1018

184.4776,
186.8477, 177.2894

■ 16.4899, 15.9237,
12.5604

■ 16.4899, 15.9237,
12.5604

■ 15.1149, 14.0239,
9.4805

■ 18.0545, 18.0432,
16.1943

■ 13.9204, 12.3345,
6.9260

■ 19.8145, 20.3872,
20.4069

■ 12.8987, 10.8483,
4.8674

■ 21.7773, 22.9630,
25.2224

■ 12.0407, 9.5573,
3.2716

■ 23.9493, 25.7768,
30.6636

■ 11.3367, 8.4525,
2.1015

■ 26.3367, 28.8348,
36.7519

■ 10.7752, 7.5244,
1.3143

■ 28.9453, 32.1428,
43.5077

■ 10.3318, 6.7574,
0.7971

■ 31.7810, 35.7064,
50.9506

■ 10.2918, 6.6888,
0.7486

■ 34.8491, 39.5311,
59.0994

■ 38.1549, 43.6221,
67.9719

Harmonies

Analogous

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



17.2956, 15.9237, 14.7720



16.4899, 15.9237, 12.5604



15.3508, 15.9237, 11.6363

Triad

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



16.4899, 15.9237, 12.5604



12.9850, 15.9237, 16.7302



16.0991, 15.9237, 23.9508

Complementary

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



16.4899, 15.9237, 12.5604



15.0892, 16.9222, 23.9438

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.



14.9212, 15.9237, 24.6519



16.4899, 15.9237, 12.5604



13.1623, 15.9237, 20.1857

Square

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



16.4899, 15.9237, 12.5604



13.3590, 15.9237, 13.8349



13.8564, 15.9237, 23.1958



17.0618, 15.9237, 21.3880

Rectangle

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



16.4899, 15.9237, 12.5604



14.5708, 15.9237, 11.7748



13.8564, 15.9237, 23.1958



15.7136, 15.9237, 24.4250

Sweetspot

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



16.4903, 15.9244, 12.5607



35.4168, 36.4208, 36.3825



16.5644, 13.9701, 19.0672



8.1478, 8.3499, 8.2336



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.



16.4903, 15.9244, 12.5607



27.8196, 26.1610, 18.6374



18.6274, 20.1987, 13.2731



4.7932, 4.9300, 4.9283



10.1330, 6.5887, 0.7377



0.0414, 0.0354, 0.0047

Inverse Universe

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



15.0892, 16.9222, 23.9438



24.8670, 28.2543, 42.5962



13.1046, 12.9530, 23.2823



4.6710, 5.0176, 5.9231



7.3245, 8.1969, 22.3328



0.0322, 0.0420, 0.0796

Previews

White Background



This preview shows how the XYZ color 16.4899, 15.9237, 12.5604 looks on a white background.

Color Contrast Check

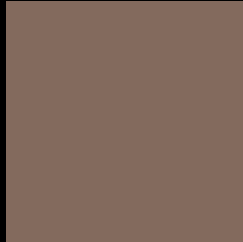
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4899, 15.9237, 12.5604 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 16.4899, 15.9237, 12.5604

Background



This preview shows how black text looks on a background with the XYZ color 16.4899, 15.9237, 12.5604.



This preview shows how white text looks on a background with the XYZ color 16.4899, 15.9237,

12.5604.

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

16.4899, 15.9237, 12.5604

Protanopia

15.0861, 15.9770, 13.1152

Deuteranopia

16.2867, 15.9728, 12.5806



Tritanopia

17.3924, 15.8347, 17.1787

Trichromacy



Original Color

16.4899, 15.9237, 12.5604

Protanomaly

15.5151, 15.8830, 12.8377

Deuteranomaly

16.4394, 16.0515, 12.5877

Tritanomaly

16.9647, 15.8056, 15.2534

Monochromacy



Original Color

16.4899, 15.9237, 12.5604

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7335, 16.0937, 15.6418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4899, 15.9237, 12.5604 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(131, 106, 93)` looks like.

```
.text, #text, p{  
    color:rgb(131, 106, 93)  
}
```

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(131, 106, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 106, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.4899, 15.9237, 12.5604 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(131, 106, 93) }
```


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

```
.border{ border-color:rgb(131, 106, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 106, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 106, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 106, 93);  
box-shadow:4px 4px 4px 4px rgb(131, 106,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4899, 15.9237, 12.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 106, 93) }
```

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

```
.background{ background-color: rgb(131,  
106, 93) }
```

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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