

Converting Colors

XYZ(16.0987, 16.2706, 8.9487)

Have a look what the booklet for
XYZ(16.0987, 16.2706, 8.9487)
contains.

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Color

**XYZ(16.0987, 16.2706,
8.9487)**

Conversions

Conversions Part 1

Format	Color
Hex	836D4B
RGB	131, 109, 75
RGB Percent	51%, 43%, 29%
CMY	0.4863, 0.5725, 0.7059
CMYK	0.00, 0.17, 0.43, 0.49
HSL	36°, 27%, 40%
HSV	36°, 43%, 51%
XYZ	16.0987, 16.2706, 8.9487
YIQ	111.7020, 24.0260, -5.9100

Conversions

Conversions Part 2

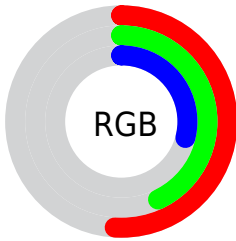
Format	Color
R_{YB}	111, 131, 75
Decimal	8613195
CIE _{Lab}	47.33, 3.68, 22.23
CIE _{LCh}	47, 22.533, 80.600
Yxy	16.2706, 0.3896, 0.3938
Android (android.graphics.Color)	4286803275 (0xFF836D4B)
YUV	111.7020, -18.0941, 16.9243
Hunter-Lab	40.3368, 0.6511, 15.0823

Details

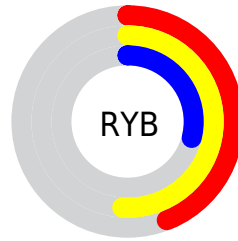
The XYZ color **16.0987, 16.2706, 8.9487** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.2729, 11.6835, 23.1336**, and the grayscale version is **15.3605, 16.1605, 17.5987**.

A 20% lighter version of the original color is **36.2165, 36.9111, 24.2845**, and **5.2652, 5.2445, 1.9631** is the 20% darker color. If you saturate the color by 10%, you get **15.1629, 15.0441, 6.6479**, and if you desaturate by 10%, it is **17.1598, 17.5999, 11.7472**.

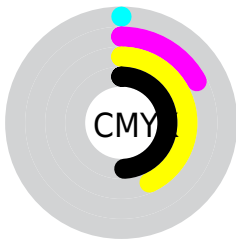
Distribution



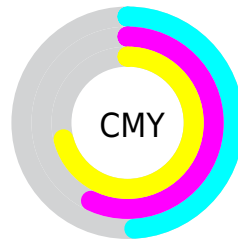
- Red (51%)
- Green (43%)
- Blue (29%)



- Red (44%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (17%)
- Yellow (43%)
- Black (49%)



- Cyan (49%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0987, 16.2706, 8.9487 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 16.0987, 16.2706, 8.9487 by changing the saturation by 10% instead.

■ 16.0987, 16.2706,
8.9487

■ 16.0987, 16.2706,
8.9487

223.1824,
230.9332, 193.1987

■ 9.6853, 9.7158,
4.6114

■ 36.3255, 37.0673,
24.3745

■ 5.2515, 5.2110,
1.9664

■ 50.8697, 52.0781,
36.3001

■ 2.4318, 2.3716,
0.5345

■ 68.8548, 70.6763,
51.5921

■ 0.8610, 0.8112,
0.0000

■ 90.6463, 93.2464,
70.6692

■ 0.0000, 0.0000,
0.0000

■ 116.6094,
120.1728, 93.9499

147.1095,

151.8397, 121.8526

182.5121,
188.6318, 154.7961

■ 16.0987, 16.2706,
8.9487

■ 16.0987, 16.2706,
8.9487

■ 15.1629, 15.0441,
6.6479

■ 17.1598, 17.5999,
11.7472

■ 14.3449, 13.9146,
4.8135

■ 18.3508, 19.0328,
15.0702

■ 13.6382, 12.8794,
3.4124

■ 19.6775, 20.5730,
18.9435

■ 13.0351, 11.9344,
2.4064

■ 21.1447, 22.2235,
23.3912

■ 12.5265, 11.0749,
1.7503

■ 22.7573, 23.9867,
28.4356

■ 12.1954, 10.4960,
1.3832

■ 24.5198, 25.8655,
34.0982

■ 26.4364, 27.8621,
40.3991

■ 28.5113, 29.9790,
47.3577

■ 30.7483, 32.2186,
54.9924

Harmonies

Analogous

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



18.0252, 16.2706, 10.5202



16.0987, 16.2706, 8.9487



14.1560, 16.2706, 9.3047

Triad

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



16.0987, 16.2706, 8.9487



12.1497, 16.2706, 21.8619



18.6169, 16.2706, 25.6295

Complementary

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



16.0987, 16.2706, 8.9487



11.2729, 11.6835, 23.1336

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.



16.8517, 16.2706, 30.0937



16.0987, 16.2706, 8.9487



13.1590, 16.2706, 27.6147

Square

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



16.0987, 16.2706, 8.9487



11.9858, 16.2706, 15.9842



14.8476, 16.2706, 30.8893



19.5591, 16.2706, 19.5684

Rectangle

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



16.0987, 16.2706, 8.9487



13.1039, 16.2706, 10.6249



14.8476, 16.2706, 30.8893



18.0933, 16.2706, 27.4167

Sweetspot

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



16.0991, 16.2714, 8.9490



35.1005, 36.6845, 33.5139



14.0526, 10.7282, 12.7376



8.0606, 8.4128, 7.4725



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.



16.0991, 16.2714, 8.9490



27.2434, 27.0614, 12.1169



17.9022, 21.1307, 9.7919



4.8902, 5.1240, 4.9607



12.0072, 10.3370, 1.3624



0.0487, 0.0501, 0.0071

Inverse Universe

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



11.2729, 11.6835, 23.1336



17.4389, 17.7496, 40.9600



9.9721, 8.4028, 22.5689



4.5734, 4.8225, 5.8905



5.2201, 3.9880, 21.6313



0.0248, 0.0273, 0.0772

Previews

White Background



This preview shows how the XYZ color 16.0987, 16.2706, 8.9487 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 16.0987, 16.2706, 8.9487 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 16.0987, 16.2706, 8.9487

Background



This preview shows how black text looks on a background with the XYZ color 16.0987, 16.2706, 8.9487.



This preview shows how white text looks on a background with the XYZ color 16.0987, 16.2706,

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

16.0987, 16.2706, 8.9487

Protanopia

15.1247, 16.2477, 9.1764

Deuteranopia

16.6242, 16.3840, 8.9429



Tritanopia

17.8666, 16.2214, 17.5186

Trichromacy



Original Color

16.0987, 16.2706, 8.9487

Protanomaly

15.4464, 16.2507, 9.1601

Deuteranomaly

16.4641, 16.3015, 8.9354

Tritanomaly

17.2377, 16.2773, 14.0377

Monochromacy



Original Color

16.0987, 16.2706, 8.9487

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5443, 16.1917, 14.1104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0987, 16.2706, 8.9487 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, 109, 75)` looks like.

```
.text, #text, p{  
    color:rgb(131, 109, 75)  
}
```

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, 109, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 109, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.0987, 16.2706, 8.9487 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, 109, 75) }
```


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

```
.border{ border-color:rgb(131, 109, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 109, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 109, 75); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 109, 75); box-shadow:4px 4px 4px 4px rgb(131, 109, 75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0987, 16.2706, 8.9487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 109, 75) }
```

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

```
.background{ background-color: rgb(131,  
109, 75) }
```

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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