

Converting Colors

XYZ(15.7001, 15.6807, 5.1049)

Have a look what the booklet for
XYZ(15.7001, 15.6807, 5.1049)
contains.

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Color

**XYZ(15.7001, 15.6807,
5.1049)**

Conversions

Conversions Part 1

Format	Color
Hex	876A31
RGB	135, 106, 49
RGB Percent	53%, 42%, 19%
CMY	0.4706, 0.5843, 0.8078
CMYK	0.00, 0.21, 0.64, 0.47
HSL	40°, 47%, 36%
HSV	40°, 64%, 53%
XYZ	15.7001, 15.6807, 5.1049
YIQ	108.1730, 35.5810, -11.5790

Conversions

Conversions Part 2

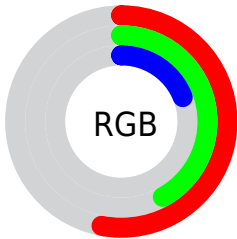
Format	Color
R_{YB}	93, 135, 49
Decimal	8874545
CIE Lab	46.55, 4.72, 35.73
CIE LCh	47, 36.042, 82.479
Yxy	15.6807, 0.4303, 0.4298
Android (android.graphics.Color)	4287064625 (0xFF876A31)
YUV	108.1730, -29.1723, 23.5273
Hunter-Lab	39.5989, 1.4734, 20.0758

Details

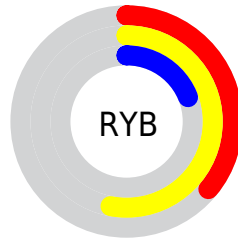
The XYZ color **15.7001, 15.6807, 5.1049** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.3641, 7.8507, 23.9961**, and the grayscale version is **14.3752, 15.1238, 16.4698**.

A 20% lighter version of the original color is **35.7005, 36.0534, 16.3866**, and **5.0491, 4.9240, 0.7130** is the 20% darker color. If you saturate the color by 10%, you get **15.0002, 14.6706, 3.6705**, and if you desaturate by 10%, it is **16.5110, 16.7763, 6.9978**.

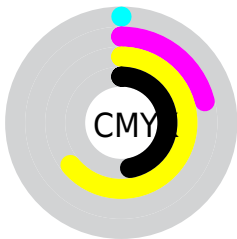
Distribution



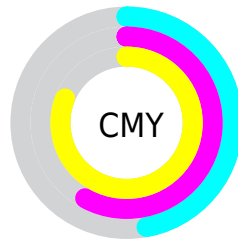
- Red (53%)
- Green (42%)
- Blue (19%)



- Red (36%)
- Yellow (53%)
- Blue (19%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (47%)



- Cyan (47%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7001, 15.6807, 5.1049 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 15.7001, 15.6807, 5.1049 by changing the saturation by 10% instead.

■ 15.7001, 15.6807,
5.1049

■ 15.7001, 15.6807,
5.1049

220.8709,
227.4502, 159.8119

■ 9.4017, 9.2985,
2.2491

■ 35.6384, 36.0430,
16.4870

■ 5.0633, 4.9364,
0.7025

■ 50.0091, 50.7919,
25.8504

■ 2.3196, 2.2100,
0.0000

■ 67.8012, 69.0984,
38.2201

■ 0.8047, 0.7254,
0.0000

■ 89.3801, 91.3470,
54.0146

■ 0.0000, 0.0000,
0.0000

■ 115.1111,
117.9221, 73.6525

■ 145.3597,

149.2081, 97.5523

180.4912,
185.5893, 126.1326

■ 15.7001, 15.6807,
5.1049

■ 15.7001, 15.6807,
5.1049

■ 15.0002, 14.6706,
3.6705

■ 16.5110, 16.7763,
6.9978

■ 14.4019, 13.7397,
2.6521

■ 17.4392, 17.9587,
9.3850

■ 13.8956, 12.8843,
1.9987

■ 18.4915, 19.2317,
12.2994

■ 13.6043, 12.3761,
1.6718

■ 19.6740, 20.5984,
15.7713

■ 20.9923, 22.0616,
19.8282

■ 22.4517, 23.6239,
24.4961

■ 24.0570, 25.2879,
29.7993

■ 25.8129, 27.0559,
35.7607

■ 27.7239, 28.9303,
42.4022

Harmonies

Analogous

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



18.8487, 15.6807, 6.7777



15.7001, 15.6807, 5.1049



12.7336, 15.6807, 5.6382

Triad

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



15.7001, 15.6807, 5.1049



10.0353, 15.6807, 24.4904



20.1649, 15.6807, 29.7650

Complementary

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



15.7001, 15.6807, 5.1049



8.3641, 7.8507, 23.9961

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.



17.3081, 15.6807, 38.2776



15.7001, 15.6807, 5.1049



11.5521, 15.6807, 34.5666

Square

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



15.7001, 15.6807, 5.1049



9.7291, 15.6807, 14.9297



14.1353, 15.6807, 40.2874



21.6496, 15.6807, 19.4135

Rectangle

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



15.7001, 15.6807, 5.1049



11.2211, 15.6807, 7.3050



14.1353, 15.6807, 40.2874



19.3158, 15.6807, 33.0655

Sweetspot

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



15.7005, 15.6815, 5.1052



36.2119, 37.9872, 31.2199



12.5050, 7.9136, 8.2848



8.2516, 8.6468, 6.8193



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.



15.7005, 15.6815, 5.1052



26.4131, 25.5888, 5.7590



17.2586, 21.6946, 6.1837



4.9110, 5.1655, 4.9676



12.5574, 11.4375, 1.5458



0.0503, 0.0531, 0.0076

Inverse Universe

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



8.3641, 7.8507, 23.9961



12.2295, 10.4972, 42.4300



7.4520, 4.9670, 23.4876



4.5533, 4.7823, 5.8838



4.9277, 3.4032, 21.5339



0.0233, 0.0243, 0.0767

Previews

White Background



This preview shows how the XYZ color 15.7001, 15.6807, 5.1049 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 15.7001, 15.6807, 5.1049 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 15.7001, 15.6807, 5.1049

Background



This preview shows how black text looks on a background with the XYZ color 15.7001, 15.6807, 5.1049.



This preview shows how white text looks on a background with the XYZ color 15.7001, 15.6807,

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

15.7001, 15.6807, 5.1049

Protanopia

14.4285, 15.8101, 5.3088

Deuteranopia

15.9225, 15.6433, 5.0860



Tritanopia

18.0262, 15.7513, 16.0001

Trichromacy



Original Color

15.7001, 15.6807, 5.1049

Protanomaly

14.7968, 15.6796, 5.2642

Deuteranomaly

15.7593, 15.5591, 5.0783

Tritanomaly

16.9123, 15.5779, 10.9196

Monochromacy



Original Color

15.7001, 15.6807, 5.1049

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.4492, 15.0551, 11.1612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7001, 15.6807, 5.1049 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(135, 106, 49)` looks like.

```
.text, #text, p{  
    color:rgb(135, 106, 49)  
}
```

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(135, 106, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 106, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.7001, 15.6807, 5.1049 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(135, 106, 49) }
```


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

```
.border{ border-color:rgb(135, 106, 49) }
```

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

Here you see how a box with a 4 pixel rgb(135, 106, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 106, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 106, 49);  
box-shadow:4px 4px 4px 4px rgb(135, 106,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7001, 15.6807, 5.1049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 106, 49) }
```

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

```
.background{ background-color: rgb(135,  
106, 49) }
```

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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