

Converting Colors

XYZ(28.3361, 24.2255, 7.7792)

Have a look what the booklet for
XYZ(28.3361, 24.2255, 7.7792)
contains.

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Color

**XYZ(28.4526, 24.3603,
7.7598)**

Conversions

Conversions Part 1

Format	Color
Hex	BD773E
RGB	189, 119, 62
RGB Percent	74%, 47%, 24%
CMY	0.2588, 0.5333, 0.7569
CMYK	0.00, 0.37, 0.67, 0.26
HSL	27°, 51%, 49%
HSV	27°, 67%, 74%
XYZ	28.4526, 24.3603, 7.7598
YIQ	133.4320, 60.0170, -2.8870

Conversions

Conversions Part 2

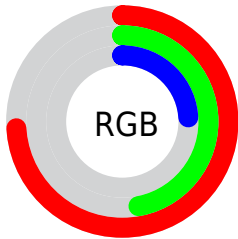
Format	Color
RYB	189, 165, 62
Decimal	12416830
CIELab	56.45, 22.21, 41.99
CIELCh	56, 47.498, 62.128
Yxy	24.3603, 0.4697, 0.4022
Android (android.graphics.Color)	4290606910 (0xFFBD773E)
YUV	133.4320, -35.2160, 48.7331
Hunter-Lab	49.3562, 16.5276, 25.2277

Details

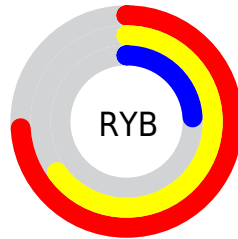
The XYZ color **28.4526, 24.3603, 7.7598** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.4226, 21.1996, 51.2121**, and the grayscale version is **22.5618, 23.7368, 25.8494**.

A 20% lighter version of the original color is **56.7441, 50.8146, 22.1467**, and **11.6229, 9.2347, 1.5506** is the 20% darker color. If you saturate the color by 10%, you get **26.8489, 21.8437, 5.0964**, and if you desaturate by 10%, it is **30.3736, 27.2233, 11.4190**.

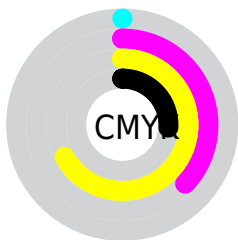
Distribution



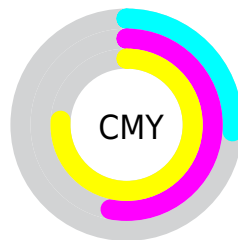
- Red (74%)
- Green (47%)
- Blue (24%)



- Red (74%)
- Yellow (65%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (67%)
- Black (26%)





- Cyan (26%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4526, 24.3603, 7.7598 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 28.4526, 24.3603, 7.7598 by changing the saturation by 10% instead.


 28.4526, 24.3603,
7.7598


 28.4526, 24.3603,
7.7598

286.6643,
274.6370, 183.6994


 18.8093, 15.6011,
3.8561


 56.6098, 50.6175,
22.0245

 11.6358, 9.2423,
1.5467


 75.8545, 68.8843,
33.2226

 6.5666, 4.8996,
0.2524


 99.0303, 91.0892,
47.6893

 3.2365, 2.1885,
0.0000

 126.5027,
117.6164, 65.8430

 1.2800, 0.7137,
0.0000

 158.6369,
148.8504, 88.1023

 0.1682, 0.0000,
0.0000

 195.7983,

 0.0000, 0.0000,

185.1755, 114.8858

0.0000

238.3524,
226.9763, 146.6119

■ 28.4526, 24.3603,
7.7598

■ 28.4526, 24.3603,
7.7598

■ 26.8489, 21.8437,
5.0964

■ 30.3736, 27.2233,
11.4190

■ 25.5369, 19.6532,
3.3227

■ 32.6313, 30.4441,
16.1627

■ 24.4849, 17.7698,
2.2917

■ 35.2451, 34.0377,
22.0712

■ 24.2216, 17.2896,
2.0606

■ 38.2323, 38.0174,
29.2167

■ 41.6090, 42.3953,
37.6656

■ 45.3902, 47.1831,
47.4793

■ 49.5900, 52.3921,
58.7155

■ 54.2218, 58.0329,
71.4284

■ 59.2985, 64.1158,
85.6694

Harmonies

Analogous

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



33.3032, 24.3603, 13.4672



28.4526, 24.3603, 7.7598



22.7636, 24.3603, 6.3214

Triad

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



28.4526, 24.3603, 7.7598



14.1191, 24.3603, 27.6637



29.2393, 24.3603, 61.2869

Complementary

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



28.4526, 24.3603, 7.7598



19.4226, 21.1996, 51.2121

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.



23.5483, 24.3603, 69.7078



28.4526, 24.3603, 7.7598



15.3093, 24.3603, 46.0898

Square

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



28.4526, 24.3603, 7.7598



15.0135, 24.3603, 14.7441



18.5573, 24.3603, 63.2717



33.8056, 24.3603, 43.3338

Rectangle

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



28.4526, 24.3603, 7.7598



19.3976, 24.3603, 7.2087



18.5573, 24.3603, 63.2717



27.3659, 24.3603, 65.5871

Sweetspot

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



28.4532, 24.3615, 7.7603



72.5558, 73.4022, 62.4731



27.0096, 15.9845, 24.2039



15.2353, 15.3089, 12.5134



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4532, 24.3615, 7.7603



46.8258, 37.0499, 7.3214



38.2847, 44.0247, 11.0374



9.8733, 10.2225, 10.0294



16.3712, 11.7812, 1.4111



0.7066, 0.5921, 0.0771

Inverse Universe

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



19.4226, 21.1996, 51.2121



29.4552, 30.8820, 90.6346



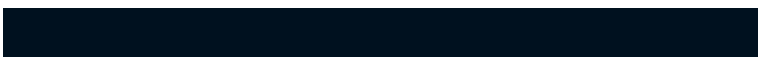
13.3915, 9.1374, 49.2017



9.4406, 10.0735, 12.1190



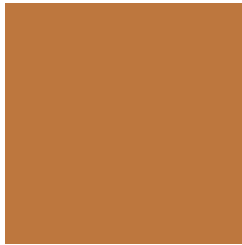
9.5993, 9.3104, 33.6841



0.4404, 0.4936, 1.3409

Previews

White Background



This preview shows how the XYZ color 28.4526, 24.3603, 7.7598 looks on a white background.

Color Contrast Check

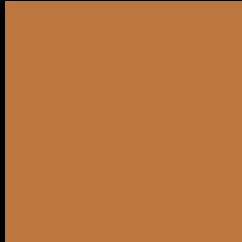
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.4526, 24.3603, 7.7598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

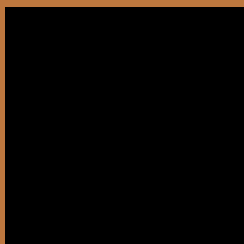
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4526, 24.3603, 7.7598

Background



This preview shows how black text looks on a background with the XYZ color 28.4526, 24.3603, 7.7598.



This preview shows how white text looks on a background with the XYZ color 28.4526, 24.3603,

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

28.4526, 24.3603, 7.7598

Protanopia

22.3950, 24.4976, 8.8584

Deuteranopia

24.7881, 24.3411, 7.5295



Tritanopia

31.2377, 24.3063, 21.1343

Trichromacy



Original Color

28.4526, 24.3603, 7.7598

Protanomaly

24.2466, 24.2394, 8.4018

Deuteranomaly

26.0537, 24.2236, 7.5774

Tritanomaly

30.1692, 24.3880, 15.1739

Monochromacy



Original Color

28.4526, 24.3603, 7.7598

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.5099, 23.2722, 17.1628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4526, 24.3603, 7.7598 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(189, 119, 62)` looks like.

```
.text, #text, p{  
    color:rgb(189, 119, 62)  
}
```

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(189, 119, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 119, 62) }
```

Border

The CSS property to change the border of an element to XYZ 28.4526, 24.3603, 7.7598 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(189, 119, 62) }
```


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

```
.border{ border-color:rgb(189, 119, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 119, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 119, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 119, 62);  
box-shadow:4px 4px 4px 4px rgb(189, 119,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4526, 24.3603, 7.7598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 119, 62) }
```

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

```
.background{ background-color: rgb(189,  
119, 62) }
```

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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