

Converting Colors

XYZ(28.8141, 24.5379, 11.9588)

Have a look what the booklet for
XYZ(28.8141, 24.5379, 11.9588)
contains.

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Color

**XYZ(28.7701, 24.4303,
12.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7756
RGB	187, 119, 86
RGB Percent	73%, 47%, 34%
CMY	0.2667, 0.5333, 0.6627
CMYK	0.00, 0.36, 0.54, 0.27
HSL	20°, 43%, 54%
HSV	20°, 54%, 73%
XYZ	28.7701, 24.4303, 12.0033
YIQ	135.5700, 51.1210, 4.1530

Conversions

Conversions Part 2

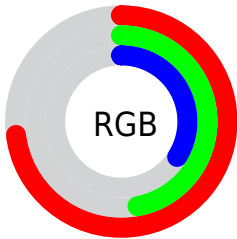
Format	Color
R_{YB}	187, 135, 86
Decimal	12285782
CIE Lab	56.52, 23.15, 29.13
CIE LCh	57, 37.206, 51.530
Yxy	24.4303, 0.4412, 0.3747
Android (android.graphics.Color)	4290475862 (0xFFBB7756)
YUV	135.5700, -24.4380, 45.1041
Hunter-Lab	49.4270, 17.4026, 20.2004

Details

The XYZ color **28.7701, 24.4303, 12.0033** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.3625, 28.6764, 51.2647**, and the grayscale version is **23.3166, 24.5308, 26.7141**.

A 20% lighter version of the original color is **57.2025, 50.8755, 30.0976**, and **11.7791, 9.2793, 3.1777** is the 20% darker color. If you saturate the color by 10%, you get **26.7127, 21.3676, 8.0742**, and if you desaturate by 10%, it is **31.2243, 27.9713, 17.0376**.

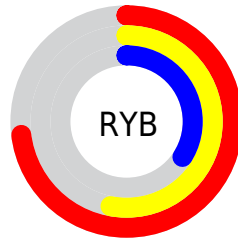
Distribution



Red (73%)

Green (47%)

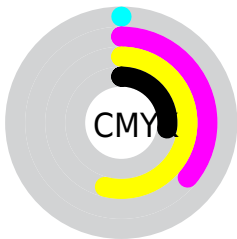
Blue (34%)



Red (73%)

Yellow (53%)

Blue (34%)

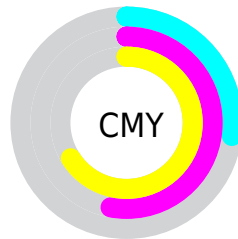


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (27%)



Cyan (27%)

Magenta (53%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7701, 24.4303, 12.0033 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 28.7701, 24.4303, 12.0033 by changing the saturation by 10% instead.


 28.7701, 24.4303,
12.0033


 28.7701, 24.4303,
12.0033


288.1425,
274.9888, 215.4058


 19.0504, 15.6531,
6.6234


 57.1117, 50.7315,
30.1656


 11.8109, 9.2790,
3.1528


 76.4643, 69.0243,
43.7850


 6.6863, 4.9236,
1.1732


 99.7586, 91.2577,
60.9881

 3.3113, 2.2025,
0.0000

 127.3599,
117.8163, 82.1932

 1.3204, 0.7214,
0.0000

 159.6336,
149.0842, 107.8190

 0.1984, 0.0000,
0.0000

196.9450,

 0.0000, 0.0000,

185.4460, 138.2840

0.0000

239.6595,
227.2861, 174.0068

■ 28.7701, 24.4303,
12.0033

■ 28.7701, 24.4303,
12.0033

■ 26.7127, 21.3676,
8.0742

■ 31.2243, 27.9713,
17.0376

■ 25.0268, 18.7577,
5.1634

■ 34.0949, 32.0071,
23.2519

■ 23.6867, 16.5782,
3.1732

■ 37.4022, 36.5580,
30.7162

■ 22.6616, 14.8024,
1.9855

■ 41.1645, 41.6419,
39.4945

■ 22.1679, 13.9137,
1.5172

■ 45.3991, 47.2759,
49.6465

■ 50.1222, 53.4762,
61.2281

■ 55.3495, 60.2583,
74.2922

■ 61.0957, 67.6372,
88.8887

■ 67.3749, 75.6273,
105.0656

Harmonies

Analogous

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



31.8192, 24.4303, 18.8026



28.7701, 24.4303, 12.0033



24.4631, 24.4303, 9.3473

Triad

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



28.7701, 24.4303, 12.0033



15.9465, 24.4303, 23.2537



26.3981, 24.4303, 55.3700

Complementary

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



28.7701, 24.4303, 12.0033



24.3625, 28.6764, 51.2647

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.



22.0202, 24.4303, 57.6804



28.7701, 24.4303, 12.0033



16.3295, 24.4303, 36.3017

Square

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



28.7701, 24.4303, 12.0033



17.3145, 24.4303, 14.3933



18.4344, 24.4303, 49.8611



30.3360, 24.4303, 44.2775

Rectangle

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



28.7701, 24.4303, 12.0033



21.6020, 24.4303, 9.4574



18.4344, 24.4303, 49.8611



24.9174, 24.4303, 57.3123

Sweetspot

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



28.7707, 24.4315, 12.0038



72.1376, 72.4483, 66.9884



29.7392, 19.5877, 33.2312



15.5728, 15.5324, 14.0178



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.



28.7707, 24.4315, 12.0038



47.1734, 37.2506, 13.2539



36.2654, 39.4209, 14.5020



9.7780, 10.0319, 9.9976



15.3332, 9.7052, 1.0651



0.6616, 0.5022, 0.0621

Inverse Universe

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



24.3625, 28.6764, 51.2647



38.3779, 45.5197, 90.9649



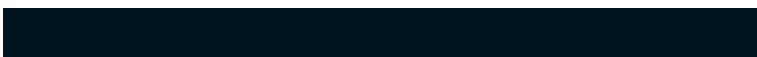
17.8101, 15.5715, 49.0806



9.5387, 10.2697, 12.1517



11.3794, 12.8705, 34.2774



0.5030, 0.6186, 1.3617

Previews

White Background



This preview shows how the XYZ color 28.7701, 24.4303, 12.0033 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 28.7701, 24.4303, 12.0033 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 28.7701, 24.4303, 12.0033

Background



This preview shows how black text looks on a background with the XYZ color 28.7701, 24.4303, 12.0033.



This preview shows how white text looks on a background with the XYZ color 28.7701, 24.4303,

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

28.7701, 24.4303, 12.0033

Protanopia

22.8126, 24.6017, 13.9022

Deuteranopia

24.8927, 24.4979, 11.8041



Tritanopia

30.8277, 24.4118, 21.8261

Trichromacy



Original Color

28.7701, 24.4303, 12.0033

Protanomaly

24.7284, 24.3848, 13.0763

Deuteranomaly

26.1138, 24.3482, 11.9177

Tritanomaly

30.0461, 24.4354, 17.8847

Monochromacy



Original Color

28.7701, 24.4303, 12.0033

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.7702, 24.2418, 20.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7701, 24.4303, 12.0033 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(187, 119, 86)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 86)  
}
```

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(187, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 86) }
```

Border

The CSS property to change the border of an element to XYZ 28.7701, 24.4303, 12.0033 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(187, 119, 86) }
```


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

```
.border{ border-color:rgb(187, 119, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 119, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(187, 119,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7701, 24.4303, 12.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 86) }
```

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

```
.background{ background-color: rgb(187,  
119, 86) }
```

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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