

Converting Colors

XYZ(28.3849, 24.9300, 12.0793)

Have a look what the booklet for
XYZ(28.3849, 24.9300, 12.0793)
contains.

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Color

**XYZ(28.2911, 24.9051,
12.1202)**

Conversions

Conversions Part 1

Format	Color
Hex	B77B56
RGB	183, 123, 86
RGB Percent	72%, 48%, 34%
CMY	0.2824, 0.5176, 0.6627
CMYK	0.00, 0.33, 0.53, 0.28
HSL	23°, 40%, 53%
HSV	23°, 53%, 72%
XYZ	28.2911, 24.9051, 12.1202
YIQ	136.7220, 47.6370, 1.2130

Conversions

Conversions Part 2

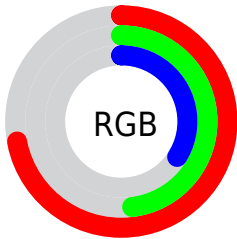
Format	Color
R_{YB}	183, 146, 86
Decimal	12024662
CIE _{Lab}	56.98, 19.26, 29.62
CIE _{LCh}	57, 35.335, 56.970
Yxy	24.9051, 0.4331, 0.3813
Android (android.graphics.Color)	4290214742 (0xFFB77B56)
YUV	136.7220, -25.0059, 40.5858
Hunter-Lab	49.9050, 13.8577, 20.5340

Details

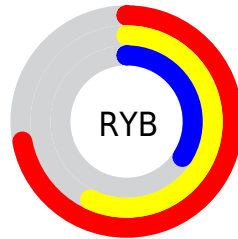
The XYZ color **28.2911, 24.9051, 12.1202** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.6633, 25.9539, 48.6146**, and the grayscale version is **23.7523, 24.9892, 27.2133**.

A 20% lighter version of the original color is **56.2449, 51.5290, 30.2742**, and **11.5842, 9.5628, 3.2427** is the 20% darker color. If you saturate the color by 10%, you get **26.3223, 22.0002, 8.2803**, and if you desaturate by 10%, it is **30.6123, 28.2127, 17.0093**.

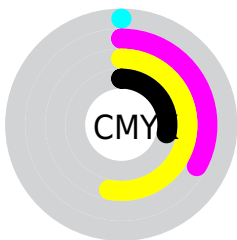
Distribution



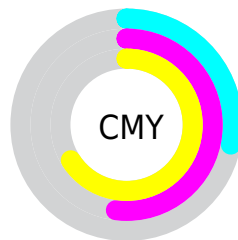
- Red (72%)
- Green (48%)
- Blue (34%)



- Red (72%)
- Yellow (57%)
- Blue (34%)



- Cyan (0%)
- Magenta (33%)
- Yellow (53%)
- Black (28%)





- Cyan (28%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2911, 24.9051, 12.1202 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 28.2911, 24.9051, 12.1202 by changing the saturation by 10% instead.


 28.2911, 24.9051,
12.1202


 28.2911, 24.9051,
12.1202


285.9102,
277.3650, 216.2055


 18.6868, 16.0064,
6.7021


 56.3543, 51.5032,
30.3815

 11.5468, 9.5287,
3.2009


 75.5438, 69.9714,
44.0617


 6.5059, 5.0876,
1.1981


 98.6592, 92.3982,
61.3331

 3.1986, 2.2987,
0.0000

 126.0657,
119.1680, 82.6141

 1.2597, 0.7730,
0.0000

 158.1287,
150.6652, 108.3233

 0.1527, 0.0000,
0.0000

195.2135,

 0.0000, 0.0000,

187.2741, 138.8793

0.0000

237.6856,
229.3793, 174.7005

■ 28.2911, 24.9051,
12.1202

■ 28.2911, 24.9051,
12.1202

■ 26.3223, 22.0002,
8.2803

■ 30.6123, 28.2127,
17.0093

■ 24.6837, 19.4774,
5.4089

■ 33.3024, 31.9351,
23.0172

■ 23.3535, 17.3196,
3.4155

■ 36.3791, 36.0882,
30.2092

■ 22.3050, 15.5063,
2.1915

■ 39.8582, 40.6862,
38.6450

■ 21.7068, 14.4241,
1.6401

■ 43.7546, 45.7423,
48.3804

■ 48.0823, 51.2693,
59.4678

■ 52.8549, 57.2794,
71.9564

■ 58.0850, 63.7844,
85.8932

■ 63.7849, 70.7956,
101.3230

Harmonies

Analogous

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



31.5161, 24.9051, 18.0205



28.2911, 24.9051, 12.1202



24.0957, 24.9051, 10.1040

Triad

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



28.2911, 24.9051, 12.1202



16.5662, 24.9051, 25.9276



27.4765, 24.9051, 52.9980

Complementary

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



28.2911, 24.9051, 12.1202



22.6633, 25.9539, 48.6146

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.



23.2524, 24.9051, 56.9247



28.2911, 24.9051, 12.1202



17.2504, 24.9051, 38.8532

Square

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



28.2911, 24.9051, 12.1202



17.5941, 24.9051, 16.4740



19.5844, 24.9051, 51.1325



31.0085, 24.9051, 41.5727

Rectangle

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



28.2911, 24.9051, 12.1202



21.4190, 24.9051, 10.6107



19.5844, 24.9051, 51.1325



26.0768, 24.9051, 55.3610

Sweetspot

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



28.2917, 24.9063, 12.1207



69.2739, 70.0954, 64.0370



28.1568, 18.8433, 29.9356



15.0162, 15.1067, 13.4529



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.2917, 24.9063, 12.1207



46.4935, 38.4198, 13.6377



35.5953, 39.5135, 14.5552



9.2779, 9.5588, 9.4629



15.2049, 10.1862, 1.1647



0.5965, 0.4801, 0.0612

Inverse Universe

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



22.6633, 25.9539, 48.6146



35.2584, 40.4122, 86.1777



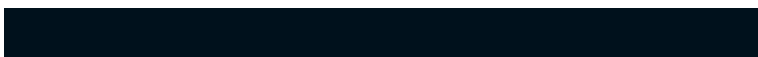
16.8407, 14.3087, 46.6737



8.9711, 9.6194, 11.4633



10.1647, 10.7891, 32.7998



0.4161, 0.4959, 1.1755

Previews

White Background



This preview shows how the XYZ color 28.2911, 24.9051, 12.1202 looks on a white background.

Color Contrast Check

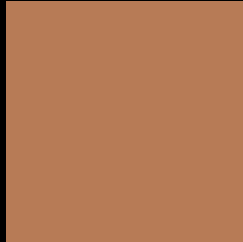
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2911, 24.9051, 12.1202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

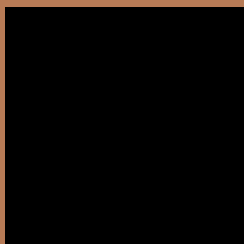
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2911, 24.9051, 12.1202

Background



This preview shows how black text looks on a background with the XYZ color 28.2911, 24.9051, 12.1202.



This preview shows how white text looks on a background with the XYZ color 28.2911, 24.9051,

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

28.2911, 24.9051, 12.1202

Protanopia

23.2719, 25.0536, 13.7345

Deuteranopia

25.4424, 24.9797, 11.8681



Tritanopia

30.5589, 24.9283, 23.2797

Trichromacy



Original Color

28.2911, 24.9051, 12.1202

Protanomaly

24.7947, 24.8178, 13.1564

Deuteranomaly

26.3721, 24.8649, 12.0038

Tritanomaly

29.6487, 24.9171, 18.5761

Monochromacy



Original Color

28.2911, 24.9051, 12.1202

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.8477, 24.6806, 20.5937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2911, 24.9051, 12.1202 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(183, 123, 86)` looks like.

```
.text, #text, p{  
    color:rgb(183, 123, 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(183, 123, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 123, 86) }
```

Border

The CSS property to change the border of an element to XYZ 28.2911, 24.9051, 12.1202 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(183, 123, 86) }
```


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

```
.border{ border-color:rgb(183, 123, 86) }
```

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

Here you see how a box with a 4 pixel rgb(183, 123, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 123, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 123, 86);  
box-shadow:4px 4px 4px 4px rgb(183, 123,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2911, 24.9051, 12.1202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 123, 86) }
```

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

```
.background{ background-color: rgb(183,  
123, 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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