

Converting Colors

XYZ(28.8709, 24.7065, 12.8494)

Have a look what the booklet for
XYZ(28.8709, 24.7065, 12.8494)
contains.

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Color

**XYZ(28.8116, 24.6102,
12.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	BA785A
RGB	186, 120, 90
RGB Percent	73%, 47%, 35%
CMY	0.2706, 0.5294, 0.6471
CMYK	0.00, 0.35, 0.52, 0.27
HSL	19°, 41%, 54%
HSV	19°, 52%, 73%
XYZ	28.8116, 24.6102, 12.9046
YIQ	136.3140, 48.9660, 4.6620

Conversions

Conversions Part 2

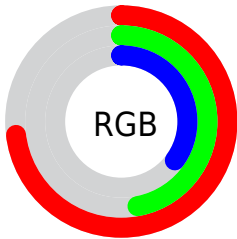
Format	Color
R _Y B	186, 134, 90
Decimal	12220506
CIE Lab	56.69, 22.54, 27.09
CIE LCh	57, 35.245, 50.239
Yxy	24.6102, 0.4344, 0.3710
Android (android.graphics.Color)	4290410586 (0xFFBA785A)
YUV	136.3140, -22.8328, 43.5746
Hunter-Lab	49.6087, 16.8536, 19.3031

Details

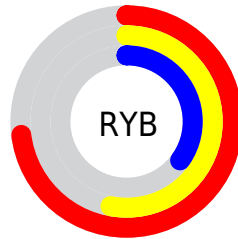
The XYZ color **28.8116, 24.6102, 12.9046** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.9672, 29.4944, 50.8312**, and the grayscale version is **23.5902, 24.8187, 27.0276**.

A 20% lighter version of the original color is **57.3334, 51.1931, 31.6704**, and **11.9138, 9.4342, 3.5759** is the 20% darker color. If you saturate the color by 10%, you get **26.6804, 21.4602, 8.7650**, and if you desaturate by 10%, it is **31.3475, 28.2527, 18.1568**.

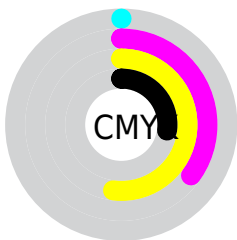
Distribution



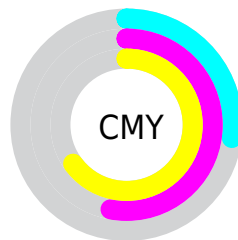
- Red (73%)
- Green (47%)
- Blue (35%)



- Red (73%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (27%)



- Cyan (27%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8116, 24.6102, 12.9046 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 28.8116, 24.6102, 12.9046 by changing the saturation by 10% instead.

■ 28.8116, 24.6102,
12.9046

■ 28.8116, 24.6102,
12.9046

288.3353,
275.8911, 221.4917

■ 19.0819, 15.7869,
7.2329

■ 57.1773, 51.0241,
31.8210

■ 11.8338, 9.3735,
3.5275

■ 76.5439, 69.3836,
45.9027

■ 6.7020, 4.9856,
1.3699

■ 99.8536, 91.6905,
63.6249

■ 3.3211, 2.2388,
0.1181

■ 127.4718,
118.3292, 85.4062

■ 1.3258, 0.7410,
0.0000

■ 159.7636,
149.6843, 111.6649

■ 0.2024, 0.0000,
0.0000

197.0946,

■ 0.0000, 0.0000,

186.1400, 142.8197

0.0000

239.8300,
228.0808, 179.2891

■ 28.8116, 24.6102,
12.9046

■ 28.8116, 24.6102,
12.9046

■ 26.6804, 21.4602,
8.7650

■ 31.3475, 28.2527,
18.1568

■ 24.9289, 18.7767,
5.6546

■ 34.3075, 32.4046,
24.5940

■ 23.5319, 16.5369,
3.4803

■ 37.7117, 37.0866,
32.2839

■ 22.4596, 14.7141,
2.1311

■ 41.5783, 42.3170,
41.2888

■ 21.7694, 13.4786,
1.4543

■ 45.9246, 48.1133,
51.6667

■ 50.7669, 54.4921,
63.4721

■ 56.1207, 61.4694,
76.7567

■ 62.0007, 69.0604,
91.5695

■ 68.0322, 77.1243,
105.9085

Harmonies

Analogous

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



31.6063, 24.6102, 19.7122



28.8116, 24.6102, 12.9046



24.7552, 24.6102, 10.1216

Triad

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



28.8116, 24.6102, 12.9046



16.4427, 24.6102, 23.1436



26.2295, 24.6102, 54.0947

Complementary

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



28.8116, 24.6102, 12.9046



24.9672, 29.4944, 50.8312

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.



22.0784, 24.6102, 55.8194



28.8116, 24.6102, 12.9046



16.7394, 24.6102, 35.4019

Square

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



28.8116, 24.6102, 12.9046



17.8331, 24.6102, 14.7825



18.6973, 24.6102, 48.2010



29.9988, 24.6102, 44.0110

Rectangle

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



28.8116, 24.6102, 12.9046



22.0161, 24.6102, 10.1387



18.6973, 24.6102, 48.2010



24.8226, 24.6102, 55.7660

Sweetspot

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



28.8122, 24.6114, 12.9051



72.7162, 73.1383, 68.6214



30.0088, 20.1928, 34.3039



15.6851, 15.6625, 14.3467



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.



28.8122, 24.6114, 12.9051



47.8703, 38.1598, 14.9804



35.8772, 38.7414, 15.2601



9.2275, 9.4580, 9.4461



14.7057, 9.1878, 0.9983



0.5754, 0.4379, 0.0542

Inverse Universe

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



24.9672, 29.4944, 50.8312



40.0678, 47.8721, 91.3298



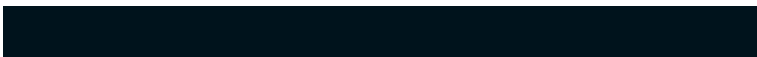
18.5696, 16.6991, 48.6987



9.0235, 9.7242, 11.4808



11.2135, 12.8866, 33.1494



0.4479, 0.5595, 1.1861

Previews

White Background



This preview shows how the XYZ color 28.8116, 24.6102, 12.9046 looks on a white background.

Color Contrast Check

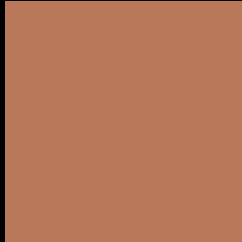
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8116, 24.6102, 12.9046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

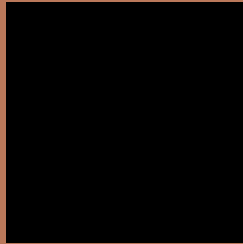
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8116, 24.6102, 12.9046

Background



This preview shows how black text looks on a background with the XYZ color 28.8116, 24.6102, 12.9046.



This preview shows how white text looks on a background with the XYZ color 28.8116, 24.6102,

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

28.8116, 24.6102, 12.9046

Protanopia

22.9944, 24.6744, 14.8600

Deuteranopia

25.0539, 24.5624, 12.6530



Tritanopia

30.7551, 24.5355, 22.1836

Trichromacy



Original Color

28.8116, 24.6102, 12.9046

Protanomaly

24.7010, 24.3505, 13.9879

Deuteranomaly

26.2773, 24.4136, 12.7785

Tritanomaly

30.0250, 24.5838, 18.4919

Monochromacy



Original Color

28.8116, 24.6102, 12.9046

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.6388, 24.1672, 20.8189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8116, 24.6102, 12.9046 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(186, 120, 90)` looks like.

```
.text, #text, p{  
    color:rgb(186, 120, 90)  
}
```

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(186, 120, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 120, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.8116, 24.6102, 12.9046 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(186, 120, 90) }
```


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

```
.border{ border-color:rgb(186, 120, 90) }
```

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

Here you see how a box with a 4 pixel rgb(186, 120, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 120, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 120, 90);  
box-shadow:4px 4px 4px 4px rgb(186, 120,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8116, 24.6102, 12.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 120, 90) }
```

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

```
.background{ background-color: rgb(186,  
120, 90) }
```

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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