

Converting Colors

XYZ(24.4369, 22.9175, 12.8373)

Have a look what the booklet for
XYZ(24.4369, 22.9175, 12.8373)
contains.

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Color

**XYZ(24.4455, 22.9034,
12.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	A57B5A
RGB	165, 123, 90
RGB Percent	65%, 48%, 35%
CMY	0.3529, 0.5176, 0.6471
CMYK	0.00, 0.25, 0.45, 0.35
HSL	26°, 29%, 50%
HSV	26°, 45%, 65%
XYZ	24.4455, 22.9034, 12.8052
YIQ	131.7960, 35.6250, -1.3590

Conversions

Conversions Part 2

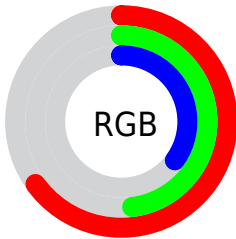
Format	Color
RYB	165, 149, 90
Decimal	10845018
CIELab	54.97, 12.06, 24.38
CIELCh	55, 27.197, 63.686
Yxy	22.9034, 0.4064, 0.3807
Android (android.graphics.Color)	4289035098 (0xFFA57B5A)
YUV	131.7960, -20.6054, 29.1199
Hunter-Lab	47.8575, 7.4268, 17.6361

Details

The XYZ color **24.4455, 22.9034, 12.8052** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2590, 21.3921, 38.7114**, and the grayscale version is **21.9220, 23.0636, 25.1163**.

A 20% lighter version of the original color is **50.3832, 48.4737, 31.5118**, and **9.4589, 8.4589, 3.5171** is the 20% darker color. If you saturate the color by 10%, you get **22.7272, 20.4687, 9.1438**, and if you desaturate by 10%, it is **26.4291, 25.6190, 17.3247**.

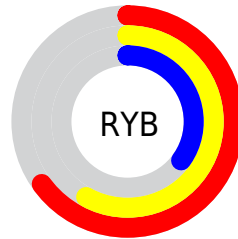
Distribution



Red (65%)

Green (48%)

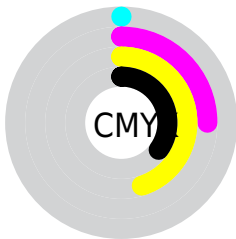
Blue (35%)



Red (65%)

Yellow (58%)

Blue (35%)

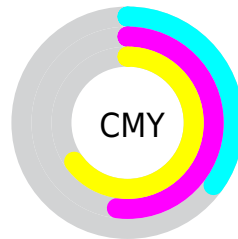


Cyan (0%)

Magenta (25%)

Yellow (45%)

Black (35%)



Cyan (35%)


Magenta (52%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4455, 22.9034, 12.8052 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 24.4455, 22.9034, 12.8052 by changing the saturation by 10% instead.


 24.4455, 22.9034,
12.8052


 24.4455, 22.9034,
12.8052


267.4640,
267.2285, 220.8292


 15.7909, 14.5222,
7.1654


 50.2056, 48.2347,
31.6394

 9.4662, 8.4847,
3.4857


 68.0419, 65.9535,
45.6709


 5.1061, 4.4067,
1.3477

 89.6695, 87.5537,
63.3367

 2.3450, 1.9035,
0.1004

 115.4537,
113.4196, 85.0553

 0.8176, 0.5505,
0.0000

 145.7599,
143.9356, 111.2454

 0.0000, 0.0000,
0.0000

180.9534,

179.4862, 142.3253

221.3997,
220.4557, 178.7138

■ 24.4455, 22.9034,
12.8052

■ 24.4455, 22.9034,
12.8052

■ 22.7272, 20.4687,
9.1438

■ 26.4291, 25.6190,
17.3247

■ 21.2590, 18.3016,
6.2831

■ 28.6885, 28.6218,
22.7518

■ 20.0267, 16.3921,
4.1609

■ 31.2359, 31.9219,
29.1337

■ 19.0135, 14.7284,
2.7050

■ 34.0820, 35.5278,
36.5142

■ 18.1986, 13.2967,
1.8227

■ 37.2370, 39.4478,
44.9341

■ 17.8739, 12.7131,
1.5118

■ 40.7105, 43.6895,
54.4320

■ 44.5118, 48.2608,
65.0445

■ 48.6497, 53.1687,
76.8065

■ 53.1327, 58.4203,
89.7514

Harmonies

Analogous

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



26.9663, 22.9034, 16.8055



24.4455, 22.9034, 12.8052



21.3979, 22.9034, 11.7526

Triad

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



24.4455, 22.9034, 12.8052



16.4738, 22.9034, 26.0223



25.1507, 22.9034, 41.4904

Complementary

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



24.4455, 22.9034, 12.8052



19.2590, 21.3921, 38.7114

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.



22.1444, 22.9034, 45.4841



24.4455, 22.9034, 12.8052



17.2864, 22.9034, 35.3441

Square

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



24.4455, 22.9034, 12.8052



16.9683, 22.9034, 18.2693



19.2954, 22.9034, 43.0096



27.3992, 22.9034, 33.0590

Rectangle

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



24.4455, 22.9034, 12.8052



19.5189, 22.9034, 12.5997



19.2954, 22.9034, 43.0096



24.1857, 22.9034, 43.4747

Sweetspot

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



24.4461, 22.9045, 12.8057



56.5230, 57.9139, 53.6634



23.3725, 16.9915, 24.0576



12.1400, 12.3833, 11.1780



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.4461, 22.9045, 12.8057



40.5456, 36.4306, 16.0555



29.9334, 33.8793, 14.6348



7.3183, 7.5749, 7.4565



13.5700, 9.7140, 1.1598



0.3319, 0.2977, 0.0400

Inverse Universe

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



19.2590, 21.3921, 38.7114



30.0117, 33.3403, 68.6059



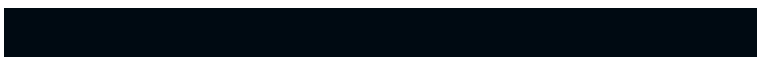
15.1004, 13.0749, 37.3252



7.0140, 7.4869, 8.9785



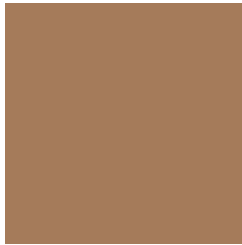
8.1093, 7.9980, 28.0461



0.2164, 0.2602, 0.6047

Previews

White Background



This preview shows how the XYZ color 24.4455, 22.9034, 12.8052 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 24.4455, 22.9034, 12.8052 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 24.4455, 22.9034, 12.8052

Background



This preview shows how black text looks on a background with the XYZ color 24.4455, 22.9034, 12.8052.



This preview shows how white text looks on a background with the XYZ color 24.4455, 22.9034,

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

24.4455, 22.9034, 12.8052

Protanopia

21.4270, 23.0615, 13.9117

Deuteranopia

23.3646, 22.9121, 12.6422



Tritanopia

26.4576, 22.8140, 23.0877

Trichromacy



Original Color

24.4455, 22.9034, 12.8052

Protanomaly

22.4037, 22.9749, 13.6097

Deuteranomaly

23.8347, 22.9656, 12.6278

Tritanomaly

25.6901, 22.8633, 18.9786

Monochromacy



Original Color

24.4455, 22.9034, 12.8052

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.5627, 22.9142, 20.0633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4455, 22.9034, 12.8052 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(165, 123, 90)` looks like.

```
.text, #text, p{  
    color:rgb(165, 123, 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(165, 123, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 123, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.4455, 22.9034, 12.8052 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(165, 123, 90) }
```


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

```
.border{ border-color:rgb(165, 123, 90) }
```

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

Here you see how a box with a 4 pixel rgb(165, 123, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 123, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 123, 90);  
box-shadow:4px 4px 4px 4px rgb(165, 123,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4455, 22.9034, 12.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 123, 90) }
```

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

```
.background{ background-color: rgb(165,  
123, 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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