

Converting Colors

XYZ(24.3335, 20.9256, 12.3959)

Have a look what the booklet for
XYZ(24.3335, 20.9256, 12.3959)
contains.

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Color

**XYZ(24.4342, 20.9845,
12.4354)**

Conversions

Conversions Part 1

Format	Color
Hex	AB705A
RGB	171, 112, 90
RGB Percent	67%, 44%, 35%
CMY	0.3294, 0.5608, 0.6471
CMYK	0.00, 0.34, 0.47, 0.33
HSL	16°, 33%, 51%
HSV	16°, 47%, 67%
XYZ	24.4342, 20.9845, 12.4354
YIQ	127.1330, 42.2260, 5.6660

Conversions

Conversions Part 2

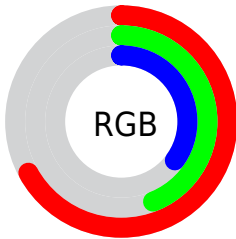
Format	Color
RYB	171, 120, 90
Decimal	11235418
CIELab	52.93, 20.80, 21.81
CIELCh	53, 30.142, 46.362
Yxy	20.9845, 0.4223, 0.3627
Android (android.graphics.Color)	4289425498 (0xFFAB705A)
YUV	127.1330, -18.3066, 38.4714
Hunter-Lab	45.8088, 15.0455, 15.9712

Details

The XYZ color **24.4342, 20.9845, 12.4354** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.3139, 26.6074, 42.4875**, and the grayscale version is **20.2698, 21.3254, 23.2234**.

A 20% lighter version of the original color is **50.0040, 44.9383, 30.8494**, and **9.4905, 7.5616, 3.3422** is the 20% darker color. If you saturate the color by 10%, you get **22.5080, 18.1660, 8.6062**, and if you desaturate by 10%, it is **26.7190, 24.2523, 17.2107**.

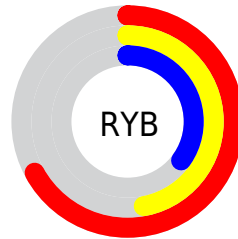
Distribution



Red (67%)

Green (44%)

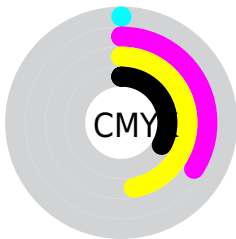
Blue (35%)



Red (67%)

Yellow (47%)

Blue (35%)

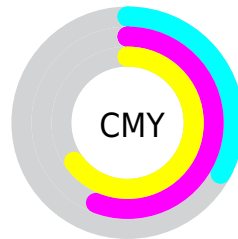


Cyan (0%)

Magenta (34%)

Yellow (47%)

Black (33%)



Cyan (33%)

Magenta (56%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4342, 20.9845, 12.4354 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 24.4342, 20.9845, 12.4354 by changing the saturation by 10% instead.

■ 24.4342, 20.9845,
12.4354

■ 24.4342, 20.9845,
12.4354

267.4083,
257.1961, 218.3461

■ 15.7825, 13.1127,
6.9148

■ 50.1874, 45.0617,
30.9618

■ 9.4602, 7.5062,
3.3312

■ 68.0195, 62.0359,
44.8047

■ 5.1021, 3.7806,
1.2662

■ 89.6426, 82.8130,
62.2588

■ 2.3427, 1.5516,
0.0338

■ 115.4219,
107.7775, 83.7427

■ 0.8164, 0.3246,
0.0000

■ 145.7227,
137.3136, 109.6748

■ 0.0000, 0.0000,
0.0000

180.9105,

171.8058, 140.4737

221.3506,
211.6385, 176.5579

■ 24.4342, 20.9845,
12.4354

■ 24.4342, 20.9845,
12.4354

■ 22.5080, 18.1660,
8.6062

■ 26.7190, 24.2523,
17.2107

■ 20.9194, 15.7734,
5.6579

■ 29.3788, 27.9851,
22.9886

■ 19.6476, 13.7860,
3.5190

■ 32.4305, 32.2017,
29.8230

■ 18.6683, 12.1799,
2.1061

■ 35.8898, 36.9188,
37.7633

■ 17.9483, 10.9261,
1.2922

■ 39.7714, 42.1523,
46.8557

■ 17.7893, 10.6475,
1.1176

■ 44.0892, 47.9175,
57.1440

■ 48.8565, 54.2291,
68.6696

■ 54.0861, 61.1009,
81.4718

■ 59.7900, 68.5465,
95.5882

Harmonies

Analogous

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



26.3547, 20.9845, 18.2930



24.4342, 20.9845, 12.4354



21.4109, 20.9845, 9.7763

Triad

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



24.4342, 20.9845, 12.4354



14.6087, 20.9845, 18.9897



21.7044, 20.9845, 43.9169

Complementary

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



24.4342, 20.9845, 12.4354



22.3139, 26.6074, 42.4875

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.



18.5478, 20.9845, 44.2483



24.4342, 20.9845, 12.4354



14.6694, 20.9845, 28.1038

Square

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



24.4342, 20.9845, 12.4354



15.8668, 20.9845, 12.8289



16.0426, 20.9845, 37.8800



24.6685, 20.9845, 37.0676

Rectangle

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



24.4342, 20.9845, 12.4354



19.2801, 20.9845, 9.5603



16.0426, 20.9845, 37.8800



20.6253, 20.9845, 44.8462

Sweetspot

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



24.4347, 20.9855, 12.4358



59.9353, 60.2104, 57.6326



25.9075, 18.1531, 30.7399



13.0855, 13.0435, 12.2132



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.4347, 20.9855, 12.4358



40.1111, 32.2377, 15.0294



29.8844, 31.8850, 14.2524



8.1757, 8.3562, 8.3954



13.4492, 8.1038, 0.8553



0.4199, 0.3169, 0.0390

Inverse Universe

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



22.3139, 26.6074, 42.4875



35.8012, 43.4720, 75.5059



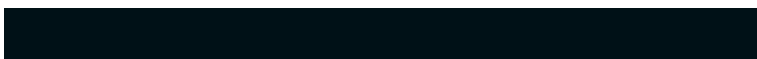
17.0252, 16.0300, 40.7247



8.0496, 8.6985, 10.2074



11.0719, 13.2777, 31.0238



0.3502, 0.4538, 0.8771

Previews

White Background



This preview shows how the XYZ color 24.4342, 20.9845, 12.4354 looks on a white background.

Color Contrast Check

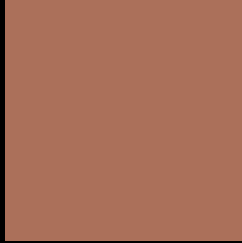
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4342, 20.9845, 12.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

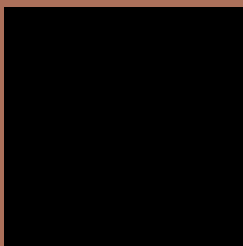
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4342, 20.9845, 12.4354

Background



This preview shows how black text looks on a background with the XYZ color 24.4342, 20.9845, 12.4354.



This preview shows how white text looks on a background with the XYZ color 24.4342, 20.9845,

12.4354.

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

24.4342, 20.9845, 12.4354

Protanopia

19.8540, 21.2575, 14.1230

Deuteranopia

21.3613, 20.9586, 12.1521



Tritanopia

25.7485, 20.8703, 19.1943

Trichromacy



Original Color

24.4342, 20.9845, 12.4354

Protanomaly

21.3743, 21.1168, 13.5391

Deuteranomaly

22.3822, 20.9472, 12.3147

Tritanomaly

25.1357, 20.7695, 16.5940

Monochromacy



Original Color

24.4342, 20.9845, 12.4354

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.3245, 20.9736, 18.8440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4342, 20.9845, 12.4354 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(171, 112, 90)` looks like.

```
.text, #text, p{  
    color:rgb(171, 112, 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(171, 112, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 112, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.4342, 20.9845, 12.4354 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(171, 112, 90) }
```


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

```
.border{ border-color:rgb(171, 112, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 112, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 112, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 112, 90);  
box-shadow:4px 4px 4px 4px rgb(171, 112,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4342, 20.9845, 12.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 112, 90) }
```

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

```
.background{ background-color: rgb(171,  
112, 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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