

Converting Colors

$Y_{xy}(22.0119, 0.4268, 0.3724)$

Have a look what the booklet for
Yxy(22.0119, 0.4268, 0.3724)
contains.

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Color

Yxy(22.0631, 0.4256, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	AD7457
RGB	173, 116, 87
RGB Percent	68%, 45%, 34%
CMY	0.3215, 0.5451, 0.6588
CMYK	0.00, 0.33, 0.50, 0.32
HSL	20°, 34%, 51%
HSV	20°, 50%, 68%
XYZ	25.2014, 22.0631, 11.9494
YIQ	129.7370, 43.2810, 3.0650

Conversions

Conversions Part 2

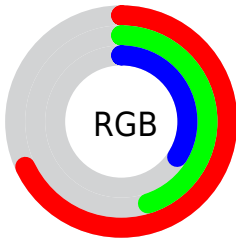
Format	Color
R_{YB}	173, 131, 87
Decimal	11367511
CIE Lab	54.09, 19.09, 25.10
CIE LCh	54, 31.532, 52.744
Yxy	22.0631, 0.4256, 0.3726
Android (android.graphics.Color)	4289557591 (0xFFAD7457)
YUV	129.7370, -21.0693, 37.9417
Hunter-Lab	46.9714, 13.5703, 17.7968

Details

The Yxy color **22.0631, 0.4256, 0.3726** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.9982, 0.2392, 0.2787**, and the grayscale version is **22.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8003, 0.4013, 0.3649**, and **8.0260, 0.4697, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **19.3314, 0.4583, 0.3797**, and if you desaturate by 10%, it is **25.1912, 0.3960, 0.3641**.

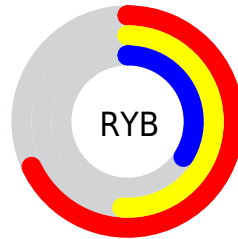
Distribution



Red (68%)

Green (45%)

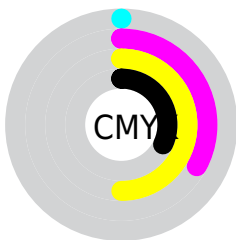
Blue (34%)



Red (68%)

Yellow (51%)

Blue (34%)

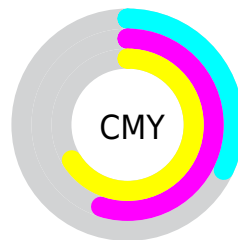


Cyan (0%)

Magenta (33%)

Yellow (50%)

Black (32%)



Cyan (32%)


Magenta (55%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0631, 0.4256, 0.3726 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 Yxy color 22.0631, 0.4256, 0.3726 by changing the saturation by 10% instead.


 22.0631, 0.4256,
0.3726


 22.0631, 0.4256,
0.3726


262.8756, 0.3620,
0.3509


 13.9033, 0.4439,
0.3773


 46.8503, 0.4007,
0.3650

 8.0534, 0.4688,
0.3825


 64.2464, 0.3919,
0.3621

 4.1291, 0.5039,
0.3872

 85.4901, 0.3846,
0.3595

 1.7461, 0.5893,
0.4107

 110.9657, 0.3786,
0.3573

 0.4532, 0.6646,
0.3354

 141.0577, 0.3735,
0.3554

 0.0000, 0.0000,
0.0000

176.1504, 0.3691,

0.3537

216.6282, 0.3653,
0.3523

■ 22.0631, 0.4256,
0.3726

■ 22.0631, 0.4256,
0.3726

■ 19.3314, 0.4583,
0.3797

■ 25.1912, 0.3960,
0.3641

■ 16.9762, 0.4930,
0.3842

■ 28.7282, 0.3701,
0.3550

■ 14.9803, 0.5275,
0.3849

■ 32.6900, 0.3477,
0.3458

■ 13.3239, 0.5588,
0.3810

■ 37.0904, 0.3285,
0.3370

■ 11.9787, 0.5852,
0.3732

■ 41.9428, 0.3123,
0.3288

■ 11.9434, 0.5860,
0.3729

■ 47.2601, 0.2985,
0.3211

■ 53.0543, 0.2867,
0.3141

■ 59.3372, 0.2767,
0.3076

■ 66.1202, 0.2682,
0.3018

Harmonies

Analogous

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



22.0631, 0.4114, 0.3286



22.0631, 0.4256, 0.3726



22.0631, 0.4065, 0.4112

Triad

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



22.0631, 0.4256, 0.3726



22.0631, 0.2565, 0.3746



22.0631, 0.2579, 0.2410

Complementary

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



22.0631, 0.4256, 0.3726



24.9982, 0.2392, 0.2787

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.



22.0631, 0.2236, 0.2448



22.0631, 0.4256, 0.3726



22.0631, 0.2224, 0.3170

Square

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



22.0631, 0.4256, 0.3726



22.0631, 0.3075, 0.4197



22.0631, 0.2112, 0.2703



22.0631, 0.3098, 0.2565

Rectangle

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



22.0631, 0.4256, 0.3726



22.0631, 0.3792, 0.4278



22.0631, 0.2112, 0.2703



22.0631, 0.2442, 0.2400

Sweetspot

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



22.0642, 0.4256, 0.3726



61.9426, 0.3388, 0.3419



17.7279, 0.3569, 0.2461



13.1186, 0.3428, 0.3437



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.0642, 0.4256, 0.3726



34.0129, 0.4629, 0.3805



34.2594, 0.3935, 0.4307



8.4401, 0.3278, 0.3367



8.8692, 0.5840, 0.3745



0.3495, 0.5254, 0.4210

Inverse Universe

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



24.9982, 0.2392, 0.2787



39.8128, 0.2250, 0.2648



14.4188, 0.2243, 0.2001



8.6104, 0.2986, 0.3212



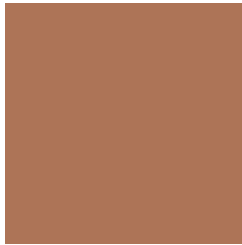
11.2810, 0.1936, 0.2168



0.4094, 0.2041, 0.2547

Previews

White Background



This preview shows how the Yxy color 22.0631, 0.4256, 0.3726 looks on a white background.

Color Contrast Check

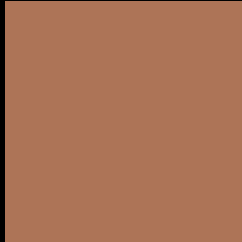
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.0631, 0.4256, 0.3726 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](#).

Yxy 22.0631, 0.4256, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 22.0631, 0.4256, 0.3726.



This preview shows how white text looks on a background with the Yxy color 22.0631, 0.4256, 0.3726.

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

22.0631, 0.4256, 0.3726

Protanopia

22.3310, 0.3665, 0.3940

Deuteranopia

22.1391, 0.4001, 0.3927



Tritanopia

22.1745, 0.3876, 0.3173

Trichromacy



Original Color

22.0631, 0.4256, 0.3726

Protanomaly

22.0980, 0.3872, 0.3859

Deuteranomaly

22.0280, 0.4089, 0.3847

Tritanomaly

22.0069, 0.4023, 0.3368

Monochromacy



Original Color

22.0631, 0.4256, 0.3726

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9931, 0.3516, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0631, 0.4256, 0.3726 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(173, 116, 87)` looks like.

```
.text, #text, p{  
    color:rgb(173, 116, 87)  
}
```

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(173, 116, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 116, 87) }
```

Border

The CSS property to change the border of an element to Yxy 22.0631, 0.4256, 0.3726 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(173, 116, 87) }
```

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

```
.border{ border-color:rgb(173, 116, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 116, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 116, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 116, 87);  
box-shadow:4px 4px 4px 4px rgb(173, 116,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0631, 0.4256, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 116, 87) }
```

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

```
.background{ background-color: rgb(173,  
116, 87) }
```

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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