

Converting Colors

$Y_{xy}(22.9864, 0.4277, 0.4022)$

Have a look what the booklet for
Yxy(22.9864, 0.4277, 0.4022)
contains.

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Color

Yxy(22.9987, 0.4276, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	A87B4B
RGB	168, 123, 75
RGB Percent	66%, 48%, 29%
CMY	0.3411, 0.5177, 0.7058
CMYK	0.00, 0.27, 0.55, 0.34
HSL	31°, 38%, 48%
HSV	31°, 55%, 66%
XYZ	24.5060, 22.9987, 9.8058
YIQ	130.9830, 42.2280, -5.3880

Conversions

Conversions Part 2

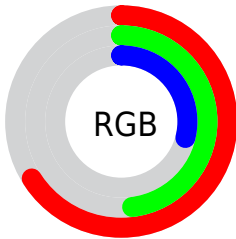
Format	Color
R_{YB}	162, 168, 75
Decimal	11041611
CIE _{Lab}	55.07, 11.89, 32.89
CIE _{LCh}	55, 34.973, 70.117
Yxy	22.9987, 0.4276, 0.4013
Android (android.graphics.Color)	4289231691 (0xFFA87B4B)
YUV	130.9830, -27.5996, 32.4639
Hunter-Lab	47.9570, 7.2887, 21.4468

Details

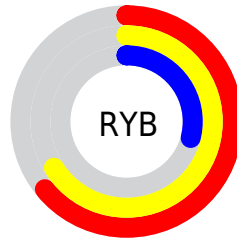
The Yxy color **22.9987, 0.4276, 0.4013** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.7684, 0.2254, 0.2399**, and the grayscale version is **22.7810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1482, 0.4030, 0.3874**, and **8.4970, 0.4675, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **20.8642, 0.4540, 0.4112**, and if you desaturate by 10%, it is **25.3640, 0.4022, 0.3892**.

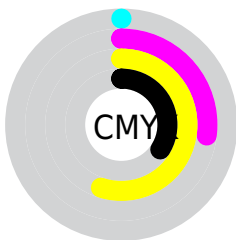
Distribution



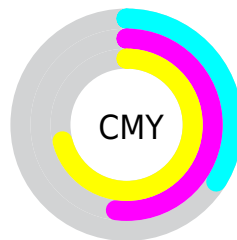
- Red (66%)
- Green (48%)
- Blue (29%)



- Red (64%)
- Yellow (66%)
- Blue (29%)



- Cyan (0%)
- Magenta (27%)
- Yellow (55%)
- Black (34%)



- Cyan (34%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9987, 0.4276, 0.4013 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 22.9987, 0.4276, 0.4013 by changing the saturation by 10% instead.


 22.9987, 0.4276,
0.4013

 22.9987, 0.4276,
0.4013


267.7183, 0.3642,
0.3641

 14.5925, 0.4449,
0.4100


 48.3912, 0.4033,
0.3880


 8.5339, 0.4675,
0.4200


 66.1463, 0.3945,
0.3829


 4.4385, 0.4984,
0.4314

 87.7866, 0.3873,
0.3785

 1.9217, 0.5509,
0.4491

 113.6963, 0.3812,
0.3748

 0.5614, 0.5948,
0.4052

 144.2600, 0.3760,
0.3716

 0.0000, 0.0000,
0.0000

179.8619, 0.3715,

0.3688

220.8866, 0.3676,
0.3663

■ 22.9987, 0.4276,
0.4013

■ 22.9987, 0.4276,
0.4013

■ 20.8642, 0.4540,
0.4112

■ 25.3640, 0.4022,
0.3892

■ 18.9481, 0.4801,
0.4175

■ 27.9650, 0.3785,
0.3759

■ 17.2417, 0.5046,
0.4193

■ 30.8105, 0.3571,
0.3621

■ 15.7335, 0.5257,
0.4158

■ 33.9079, 0.3379,
0.3486

■ 15.0916, 0.5351,
0.4133

■ 37.2641, 0.3209,
0.3356

■ 40.8858, 0.3061,
0.3234

■ 44.7793, 0.2930,
0.3121

■ 48.9508, 0.2817,
0.3016

■ 53.4060, 0.2717,
0.2920

Harmonies

Analogous

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



22.9987, 0.4342, 0.3554



22.9987, 0.4276, 0.4013



22.9987, 0.3890, 0.4349

Triad

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



22.9987, 0.4276, 0.4013



22.9987, 0.2272, 0.3418



22.9987, 0.2837, 0.2413

Complementary

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



22.9987, 0.4276, 0.4013



17.7684, 0.2254, 0.2399

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.



22.9987, 0.2347, 0.2327



22.9987, 0.4276, 0.4013



22.9987, 0.2047, 0.2833

Square

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



22.9987, 0.4276, 0.4013



22.9987, 0.2729, 0.4036



22.9987, 0.2076, 0.2459



22.9987, 0.3462, 0.2682

Rectangle

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



22.9987, 0.4276, 0.4013



22.9987, 0.3521, 0.4422



22.9987, 0.2076, 0.2459



22.9987, 0.2653, 0.2362

Sweetspot

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



22.9998, 0.4276, 0.4013



60.3747, 0.3415, 0.3512



14.7546, 0.3897, 0.2596



12.9223, 0.3450, 0.3538



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.9998, 0.4276, 0.4013



37.1742, 0.4589, 0.4126



36.8512, 0.3910, 0.4584



8.1583, 0.3273, 0.3407



11.4958, 0.5336, 0.4145



0.3815, 0.4867, 0.4518

Inverse Universe

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



17.7684, 0.2254, 0.2399



26.7492, 0.2085, 0.2165



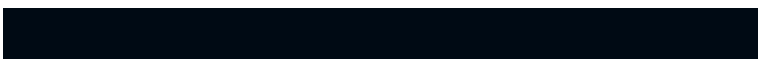
9.3580, 0.2080, 0.1558



7.8775, 0.2987, 0.3171



6.7192, 0.1765, 0.1555



0.2664, 0.1938, 0.2178

Previews

White Background



This preview shows how the Yxy color 22.9987, 0.4276, 0.4013 looks on a white background.

Color Contrast Check

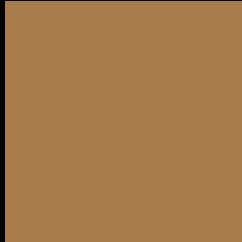
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9987, 0.4276, 0.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

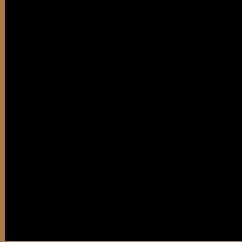
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9987, 0.4276, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 22.9987, 0.4276, 0.4013.



This preview shows how white text looks on a background with the Yxy color 22.9987, 0.4276, 0.4013.

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

22.9987, 0.4276, 0.4013

Protanopia

23.0723, 0.3879, 0.4202

Deuteranopia

22.9932, 0.4172, 0.4101



Tritanopia

22.9996, 0.3724, 0.3155

Trichromacy



Original Color

22.9987, 0.4276, 0.4013

Protanomaly

23.0086, 0.4014, 0.4137

Deuteranomaly

23.0542, 0.4219, 0.4073

Tritanomaly

22.9131, 0.3951, 0.3476

Monochromacy



Original Color

22.9987, 0.4276, 0.4013

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5153, 0.3516, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9987, 0.4276, 0.4013 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(168, 123, 75)` looks like.

```
.text, #text, p{  
    color:rgb(168, 123, 75)  
}
```

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(168, 123, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 123, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.9987, 0.4276, 0.4013 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(168, 123, 75) }
```

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

```
.border{ border-color:rgb(168, 123, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 123, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 123, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 123, 75);  
box-shadow:4px 4px 4px 4px rgb(168, 123,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9987, 0.4276, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 123, 75) }
```

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

```
.background{ background-color: rgb(168,  
123, 75) }
```

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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