

Converting Colors

$Y_{xy}(25.1312, 0.4626, 0.4018)$

Have a look what the booklet for
Yxy(25.1312, 0.4626, 0.4018)
contains.

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Color

$\text{Yxy}(25.1312, 0.4626, 0.4018)$

Conversions

Conversions Part 1

Format	Color
Hex	BD7A42
RGB	189, 122, 66
RGB Percent	74%, 48%, 26%
CMY	0.2587, 0.5216, 0.7411
CMYK	0.00, 0.35, 0.65, 0.26
HSL	27°, 48%, 50%
HSV	27°, 65%, 74%
XYZ	28.9340, 25.1312, 8.4813
YIQ	135.6490, 57.9080, -3.2120

Conversions

Conversions Part 2

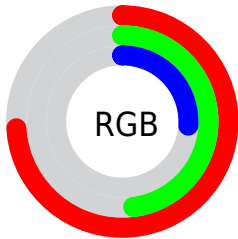
Format	Color
R_{YB}	189, 169, 66
Decimal	12417602
CIE Lab	57.20, 20.82, 40.80
CIE LCh	57, 45.804, 62.962
Yxy	25.1312, 0.4626, 0.4018
Android (android.graphics.Color)	4290607682 (0xFFBD7A42)
YUV	135.6490, -34.3370, 46.7888
Hunter-Lab	50.1310, 15.2952, 25.0609

Details

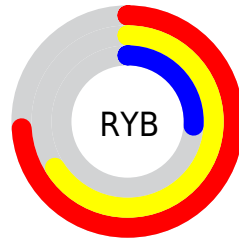
The Yxy color **25.1312, 0.4626, 0.4018** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.6206, 0.2138, 0.2331**, and the grayscale version is **24.5979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0606, 0.4322, 0.3910**, and **9.6341, 0.5088, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **22.5484, 0.4919, 0.4068**, and if you desaturate by 10%, it is **28.0583, 0.4334, 0.3933**.

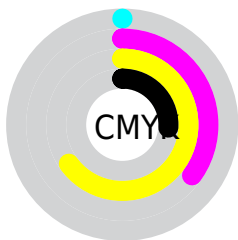
Distribution



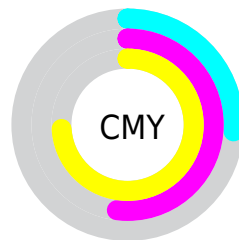
- Red (74%)
- Green (48%)
- Blue (26%)



- Red (74%)
- Yellow (66%)
- Blue (26%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (26%)





- Cyan (26%)
- Magenta (52%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1312, 0.4626, 0.4018 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 25.1312, 0.4626, 0.4018 by changing the saturation by 10% instead.


 25.1312, 0.4626,
0.4018


 25.1312, 0.4626,
0.4018


278.4907, 0.3817,
0.3679


 16.1748, 0.4835,
0.4078


 51.8700, 0.4323,
0.3909


 9.6480, 0.5098,
0.4132

 70.4212, 0.4212,
0.3863

 5.1662, 0.5468,
0.4186

 92.9395, 0.4118,
0.3822

 2.3451, 0.5882,
0.4118

 119.8092, 0.4039,
0.3787

 0.7974, 0.6272,
0.3728

 151.4148, 0.3971,
0.3755

 0.0000, 1.0000,
0.0000

188.1407, 0.3913,

 0.0000, 0.0000,

0.3727

0.0000

230.3712, 0.3862,
0.3702

■ 25.1312, 0.4626,
0.4018

■ 25.1312, 0.4626,
0.4018

■ 22.5484, 0.4919,
0.4068

■ 28.0583, 0.4334,
0.3933

■ 20.2903, 0.5195,
0.4070

■ 31.3404, 0.4058,
0.3825

■ 18.3401, 0.5433,
0.4019

■ 34.9923, 0.3805,
0.3706

■ 17.4811, 0.5541,
0.3982

■ 39.0265, 0.3578,
0.3583

■ 43.4551, 0.3380,
0.3462

■ 48.2892, 0.3206,
0.3346

■ 53.5397, 0.3056,
0.3238

■ 59.2171, 0.2926,
0.3137

■ 65.3313, 0.2813,
0.3044

Harmonies

Analogous

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



25.1312, 0.4620, 0.3443



25.1312, 0.4626, 0.4018



25.1312, 0.4202, 0.4522

Triad

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



25.1312, 0.4626, 0.4018



25.1312, 0.2164, 0.3642



25.1312, 0.2589, 0.2169

Complementary

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



25.1312, 0.4626, 0.4018



21.6206, 0.2138, 0.2331

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.



25.1312, 0.2057, 0.2116



25.1312, 0.4626, 0.4018



25.1312, 0.1832, 0.2846

Square

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



25.1312, 0.4626, 0.4018



25.1312, 0.2774, 0.4422



25.1312, 0.1802, 0.2327



25.1312, 0.3347, 0.2445

Rectangle

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



25.1312, 0.4626, 0.4018



25.1312, 0.3765, 0.4718



25.1312, 0.1802, 0.2327



25.1312, 0.2382, 0.2125

Sweetspot

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



25.1325, 0.4626, 0.4018



73.5602, 0.3480, 0.3525



16.4316, 0.4014, 0.2423



15.3467, 0.3538, 0.3559



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



25.1325, 0.4626, 0.4018



38.6179, 0.5037, 0.4075



45.0306, 0.4063, 0.4705



10.2323, 0.3277, 0.3395



11.9073, 0.5520, 0.3999



0.5972, 0.5123, 0.4314

Inverse Universe

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



21.6206, 0.2138, 0.2331



31.7820, 0.1976, 0.2081



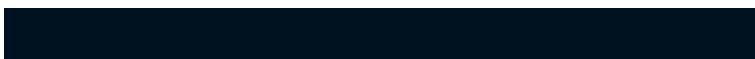
9.4893, 0.1898, 0.1309



10.0636, 0.2984, 0.3183



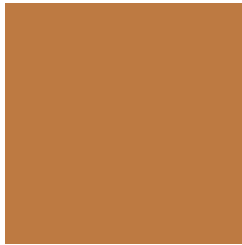
9.1519, 0.1819, 0.1749



0.4877, 0.1932, 0.2153

Previews

White Background



This preview shows how the Yxy color 25.1312, 0.4626, 0.4018 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 25.1312, 0.4626, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

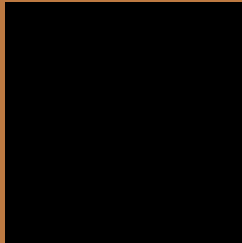
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1312, 0.4626, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 25.1312, 0.4626, 0.4018.



This preview shows how white text looks on a background with the Yxy color 25.1312, 0.4626, 0.4018.

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

25.1312, 0.4626, 0.4018

Protanopia

25.3073, 0.3988, 0.4355

Deuteranopia

25.1488, 0.4333, 0.4254



Tritanopia

25.0542, 0.4018, 0.3170

Trichromacy



Original Color

25.1312, 0.4626, 0.4018

Protanomaly

24.9315, 0.4217, 0.4232

Deuteranomaly

25.1671, 0.4437, 0.4166

Tritanomaly

25.1426, 0.4266, 0.3498

Monochromacy



Original Color

25.1312, 0.4626, 0.4018

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3489, 0.3641, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1312, 0.4626, 0.4018 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(189, 122, 66)` looks like.

```
.text, #text, p{  
    color:rgb(189, 122, 66)  
}
```

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(189, 122, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 122, 66) }
```

Border

The CSS property to change the border of an element to Yxy 25.1312, 0.4626, 0.4018 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(189, 122, 66) }
```

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

```
.border{ border-color:rgb(189, 122, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 122, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 122, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 122, 66);  
box-shadow:4px 4px 4px 4px rgb(189, 122,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1312, 0.4626, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 122, 66) }
```

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

```
.background{ background-color: rgb(189,  
122, 66) }
```

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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