

Converting Colors

$Y_{xy}(25.1512, 0.4561, 0.4018)$

Have a look what the booklet for
Yxy(25.1512, 0.4561, 0.4018)
contains.

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Color

Yxy(25.1481, 0.4573, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	BB7B44
RGB	187, 123, 68
RGB Percent	73%, 48%, 27%
CMY	0.2666, 0.5176, 0.7332
CMYK	0.00, 0.34, 0.64, 0.27
HSL	28°, 47%, 50%
HSV	28°, 64%, 73%
XYZ	28.6218, 25.1481, 8.8187
YIQ	135.8660, 55.7990, -3.5370

Conversions

Conversions Part 2

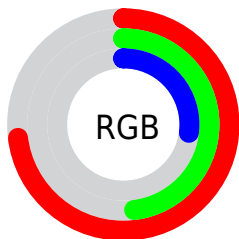
Format	Color
RYB	187, 170, 68
Decimal	12286788
CIELab	57.22, 19.54, 39.71
CIElCh	57, 44.254, 63.803
Yxy	25.1481, 0.4573, 0.4018
Android (android.graphics.Color)	4290476868 (0xFFBB7B44)
YUV	135.8660, -33.4579, 44.8445
Hunter-Lab	50.1479, 14.1196, 24.6771

Details

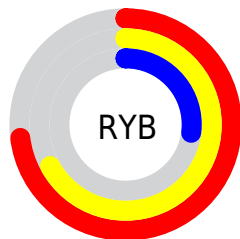
The Yxy color **25.1481, 0.4573, 0.4018** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.3300, 0.2154, 0.2343**, and the grayscale version is **24.6814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9515, 0.4273, 0.3908**, and **9.6939, 0.5037, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **22.5871, 0.4863, 0.4075**, and if you desaturate by 10%, it is **28.0410, 0.4286, 0.3927**.

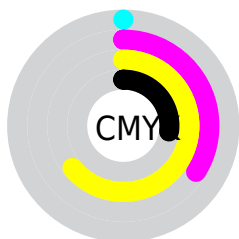
Distribution



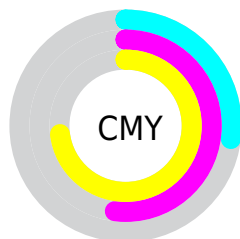
- Red (73%)
- Green (48%)
- Blue (27%)



- Red (73%)
- Yellow (67%)
- Blue (27%)



- Cyan (0%)
- Magenta (34%)
- Yellow (64%)
- Black (27%)




- Cyan (27%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1481, 0.4573, 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 25.1481, 0.4573, 0.4018 by changing the saturation by 10% instead.


 25.1481, 0.4573,
0.4018


 25.1481, 0.4573,
0.4018


278.5747, 0.3791,
0.3674


 16.1874, 0.4776,
0.4082


 51.8974, 0.4280,
0.3905

 9.6569, 0.5033,
0.4144


 70.4548, 0.4172,
0.3858


 5.1721, 0.5387,
0.4202

 92.9799, 0.4082,
0.3817

 2.3486, 0.5825,
0.4175

 119.8571, 0.4005,
0.3781

 0.7992, 0.6195,
0.3805

 151.4708, 0.3940,
0.3750

 0.0000, 1.0000,
0.0000

188.2053, 0.3884,

 0.0000, 0.0000,

0.3721

0.0000

230.4452, 0.3834,
0.3696

■ 25.1481, 0.4573,
0.4018

■ 25.1481, 0.4573,
0.4018

■ 22.5871, 0.4863,
0.4075

■ 28.0410, 0.4286,
0.3927

■ 20.3392, 0.5139,
0.4087

■ 31.2757, 0.4015,
0.3816

■ 18.3891, 0.5381,
0.4046

■ 34.8660, 0.3767,
0.3694

■ 17.2858, 0.5519,
0.3999

■ 38.8240, 0.3546,
0.3569

■ 43.1607, 0.3352,
0.3447

■ 47.8870, 0.3183,
0.3330

■ 53.0130, 0.3036,
0.3221

■ 58.5487, 0.2909,
0.3121

■ 64.5034, 0.2798,
0.3028

Harmonies

Analogous

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



25.1481, 0.4576, 0.3459



25.1481, 0.4573, 0.4018



25.1481, 0.4156, 0.4497

Triad

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



25.1481, 0.4573, 0.4018



25.1481, 0.2182, 0.3608



25.1481, 0.2626, 0.2205

Complementary

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



25.1481, 0.4573, 0.4018



21.3300, 0.2154, 0.2343

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.



25.1481, 0.2099, 0.2148



25.1481, 0.4573, 0.4018



25.1481, 0.1865, 0.2846

Square

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



25.1481, 0.4573, 0.4018



25.1481, 0.2770, 0.4362



25.1481, 0.1843, 0.2349



25.1481, 0.3363, 0.2480

Rectangle

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



25.1481, 0.4573, 0.4018



25.1481, 0.3730, 0.4674



25.1481, 0.1843, 0.2349



25.1481, 0.2422, 0.2160

Sweetspot

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



25.1494, 0.4573, 0.4018



72.7953, 0.3459, 0.3516



16.4097, 0.3983, 0.2436



15.5481, 0.3517, 0.3551



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.



25.1494, 0.4573, 0.4018



38.9351, 0.4966, 0.4085



44.0544, 0.4046, 0.4682



10.2433, 0.3277, 0.3396



12.0506, 0.5500, 0.4015



0.6029, 0.5108, 0.4326

Inverse Universe

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



21.3300, 0.2154, 0.2343



31.5061, 0.1992, 0.2099



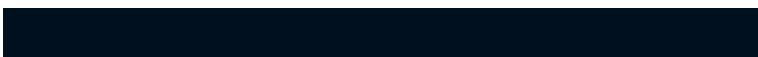
9.7127, 0.1926, 0.1355



10.0525, 0.2984, 0.3181



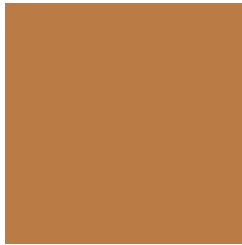
8.9773, 0.1813, 0.1725



0.4812, 0.1926, 0.2135

Previews

White Background



This preview shows how the Yxy color 25.1481, 0.4573, 0.4018 looks on a white background.

Color Contrast Check

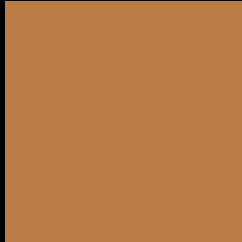
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1481, 0.4573, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

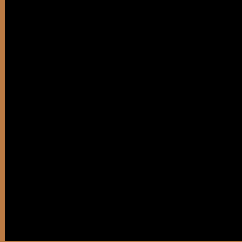
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1481, 0.4573, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 25.1481, 0.4573, 0.4018.



This preview shows how white text looks on a background with the Yxy color 25.1481, 0.4573, 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

25.1481, 0.4573, 0.4018

Protanopia

25.3334, 0.3970, 0.4327

Deuteranopia

25.1720, 0.4315, 0.4230



Tritanopia

25.0478, 0.3976, 0.3168

Trichromacy



Original Color

25.1481, 0.4573, 0.4018

Protanomaly

25.2293, 0.4189, 0.4220

Deuteranomaly

25.0737, 0.4406, 0.4147

Tritanomaly

25.1403, 0.4223, 0.3500

Monochromacy



Original Color

25.1481, 0.4573, 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 25.1481, 0.4573, 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(187, 123, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 123, 68)  
}
```

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(187, 123, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 123, 68) }
```

Border

The CSS property to change the border of an element to Yxy 25.1481, 0.4573, 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(187, 123, 68) }
```

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

```
.border{ border-color:rgb(187, 123, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 123, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 123, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 123, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 123,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1481, 0.4573, 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(187, 123, 68) }
```

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

```
.background{ background-color: rgb(187,  
123, 68) }
```

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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