

Converting Colors

$Y_{xy}(20.0855, 0.4497, 0.3958)$

Have a look what the booklet for
Yxy(20.0855, 0.4497, 0.3958)
contains.

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Color

Yxy(20.0871, 0.4497, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	A86F42
RGB	168, 111, 66
RGB Percent	66%, 44%, 26%
CMY	0.3412, 0.5647, 0.7410
CMYK	0.00, 0.34, 0.61, 0.34
HSL	26°, 44%, 46%
HSV	26°, 61%, 66%
XYZ	22.8168, 20.0871, 7.8339
YIQ	122.9130, 48.4170, -1.9110

Conversions

Conversions Part 2

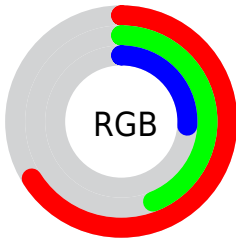
Format	Color
R_{YB}	168, 147, 66
Decimal	11038530
CIE Lab	51.94, 17.92, 33.95
CIE LCh	52, 38.388, 62.168
Yxy	20.0871, 0.4497, 0.3959
Android (android.graphics.Color)	4289228610 (0xFFA86F42)
YUV	122.9130, -28.0581, 39.5413
Hunter-Lab	44.8186, 12.4403, 21.0097

Details

The Yxy color **20.0871, 0.4497, 0.3959** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.1594, 0.2209, 0.2446**, and the grayscale version is **19.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6009, 0.4198, 0.3849**, and **7.0503, 0.4990, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **17.9753, 0.4796, 0.4024**, and if you desaturate by 10%, it is **22.4746, 0.4208, 0.3866**.

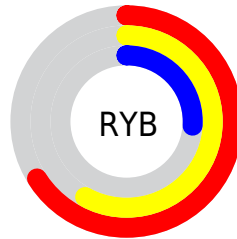
Distribution



Red (66%)

Green (44%)

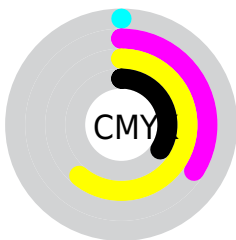
Blue (26%)



Red (66%)

Yellow (58%)

Blue (26%)

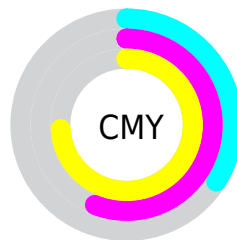


Cyan (0%)

Magenta (34%)

Yellow (61%)

Black (34%)



Cyan (34%)


Magenta (56%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0871, 0.4497, 0.3959 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 20.0871, 0.4497, 0.3959 by changing the saturation by 10% instead.


 20.0871, 0.4497,
0.3959


 20.0871, 0.4497,
0.3959


252.3862, 0.3726,
0.3626


 12.4584, 0.4712,
0.4027


 43.5632, 0.4198,
0.3845

 7.0567, 0.4994,
0.4094


 60.1793, 0.4091,
0.3799


 3.4976, 0.5465,
0.4209

 80.5600, 0.4003,
0.3760

 1.3967, 0.5904,
0.4096

 105.0897, 0.3929,
0.3726

 0.2143, 0.7495,
0.2505

 134.1528, 0.3867,
0.3696

 0.0000, 0.0000,
0.0000

168.1336, 0.3813,

0.3670

207.4167, 0.3767,
0.3647

■ 20.0871, 0.4497,
0.3959

■ 20.0871, 0.4497,
0.3959

■ 17.9753, 0.4796,
0.4024

■ 22.4746, 0.4208,
0.3866

■ 16.1243, 0.5087,
0.4049

■ 25.1457, 0.3941,
0.3755

■ 14.5219, 0.5351,
0.4022

■ 28.1117, 0.3699,
0.3638

■ 13.2347, 0.5568,
0.3961

■ 31.3823, 0.3486,
0.3520

■ 34.9665, 0.3299,
0.3406

■ 38.8731, 0.3138,
0.3297

■ 43.1104, 0.2998,
0.3196

■ 47.6866, 0.2877,
0.3103

■ 52.6092, 0.2772,
0.3017

Harmonies

Analogous

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



20.0871, 0.4470, 0.3430



20.0871, 0.4497, 0.3959



20.0871, 0.4130, 0.4410

Triad

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



20.0871, 0.4497, 0.3959



20.0871, 0.2265, 0.3632



20.0871, 0.2625, 0.2256

Complementary

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



20.0871, 0.4497, 0.3959



18.1594, 0.2209, 0.2446

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.



20.0871, 0.2138, 0.2216



20.0871, 0.4497, 0.3959



20.0871, 0.1946, 0.2914

Square

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



20.0871, 0.4497, 0.3959



20.0871, 0.2833, 0.4313



20.0871, 0.1907, 0.2426



20.0871, 0.3310, 0.2506

Rectangle

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



20.0871, 0.4497, 0.3959



20.0871, 0.3737, 0.4578



20.0871, 0.1907, 0.2426



20.0871, 0.2436, 0.2217

Sweetspot

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



20.0881, 0.4497, 0.3959



58.4344, 0.3439, 0.3493



13.6755, 0.3886, 0.2446



12.3530, 0.3495, 0.3525



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.



20.0881, 0.4497, 0.3959



31.3410, 0.4904, 0.4038



34.2782, 0.4021, 0.4608



8.0664, 0.3275, 0.3390



10.0936, 0.5551, 0.3974



0.3483, 0.4998, 0.4414

Inverse Universe

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



18.1594, 0.2209, 0.2446



27.4650, 0.2044, 0.2215



8.7295, 0.1997, 0.1491



7.9699, 0.2987, 0.3188



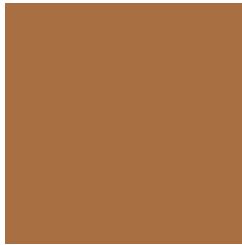
8.2712, 0.1835, 0.1806



0.3006, 0.1986, 0.2349

Previews

White Background



This preview shows how the Yxy color 20.0871, 0.4497, 0.3959 looks on a white background.

Color Contrast Check

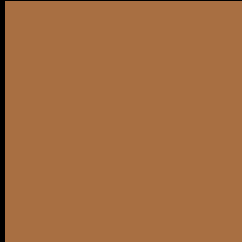
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0871, 0.4497, 0.3959 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 20.0871, 0.4497, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 20.0871, 0.4497, 0.3959.



This preview shows how white text looks on a background with the Yxy color 20.0871, 0.4497, 0.3959.

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

20.0871, 0.4497, 0.3959

Protanopia

20.1045, 0.3897, 0.4235

Deuteranopia

20.0993, 0.4254, 0.4162



Tritanopia

19.9533, 0.3944, 0.3170

Trichromacy



Original Color

20.0871, 0.4497, 0.3959

Protanomaly

19.9192, 0.4123, 0.4130

Deuteranomaly

19.9122, 0.4339, 0.4078

Tritanomaly

19.9060, 0.4165, 0.3462

Monochromacy



Original Color

20.0871, 0.4497, 0.3959

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.6419, 0.3597, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0871, 0.4497, 0.3959 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, 111, 66)` looks like.

```
.text, #text, p{  
    color:rgb(168, 111, 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(168, 111, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 111, 66) }
```

Border

The CSS property to change the border of an element to Yxy 20.0871, 0.4497, 0.3959 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, 111, 66) }
```

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

```
.border{ border-color:rgb(168, 111, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 111, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 111, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 111, 66);  
box-shadow:4px 4px 4px 4px rgb(168, 111,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0871, 0.4497, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 111, 66) }
```

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

```
.background{ background-color: rgb(168,  
111, 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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