

Converting Colors

$Y_{xy}(19.9904, 0.4198, 0.3841)$

Have a look what the booklet for
Yxy(19.9904, 0.4198, 0.3841)
contains.

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Color

Yxy(20.0874, 0.4195, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	A07250
RGB	160, 114, 80
RGB Percent	63%, 45%, 31%
CMY	0.3724, 0.5530, 0.6862
CMYK	0.00, 0.29, 0.50, 0.37
HSL	25°, 33%, 47%
HSV	25°, 50%, 63%
XYZ	21.9673, 20.0874, 10.3108
YIQ	123.8780, 38.3300, -0.8220

Conversions

Conversions Part 2

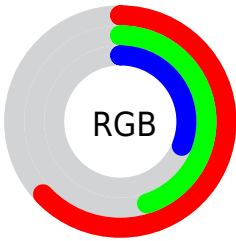
Format	Color
R_{YB}	160, 139, 80
Decimal	10515024
CIE Lab	51.94, 14.02, 25.97
CIE LCh	52, 29.511, 61.645
Yxy	20.0874, 0.4195, 0.3836
Android (android.graphics.Color)	4288705104 (0xFFA07250)
YUV	123.8780, -21.6319, 31.6790
Hunter-Lab	44.8190, 9.0558, 17.7334

Details

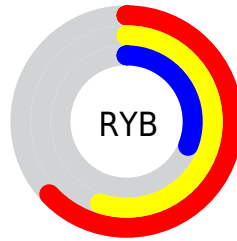
The Yxy color **20.0874, 0.4195, 0.3836** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.1800, 0.2366, 0.2650**, and the grayscale version is **20.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6359, 0.3955, 0.3729**, and **7.0761, 0.4621, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **17.9058, 0.4487, 0.3927**, and if you desaturate by 10%, it is **22.5364, 0.3926, 0.3729**.

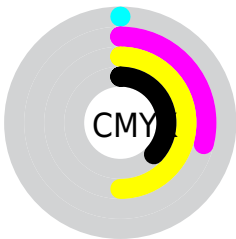
Distribution



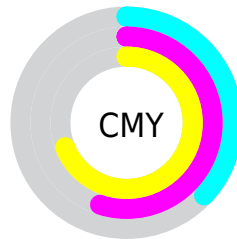
- Red (63%)
- Green (45%)
- Blue (31%)



- Red (63%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (37%)




- Cyan (37%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0874, 0.4195, 0.3836 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 20.0874, 0.4195, 0.3836 by changing the saturation by 10% instead.


 20.0874, 0.4195,
0.3836


 20.0874, 0.4195,
0.3836


252.3879, 0.3587,
0.3551


 12.4586, 0.4372,
0.3905


 43.5637, 0.3955,
0.3732


 7.0568, 0.4614,
0.3986


 60.1799, 0.3871,
0.3693


 3.4977, 0.4958,
0.4076

 80.5608, 0.3802,
0.3659

 1.3967, 0.5694,
0.4306

 105.0906, 0.3745,
0.3631

 0.2143, 0.7181,
0.2819

 134.1539, 0.3696,
0.3607

 0.0000, 0.0000,
0.0000

168.1349, 0.3655,

0.3586

207.4181, 0.3619,
0.3567

■ 20.0874, 0.4195,
0.3836

■ 20.0874, 0.4195,
0.3836

■ 17.9058, 0.4487,
0.3927

■ 22.5364, 0.3926,
0.3729

■ 15.9785, 0.4792,
0.3992

■ 25.2595, 0.3684,
0.3616

■ 14.2953, 0.5092,
0.4017

■ 28.2667, 0.3472,
0.3503

■ 12.8442, 0.5367,
0.3993

■ 31.5665, 0.3287,
0.3394

■ 11.6054, 0.5609,
0.3929

■ 35.1670, 0.3127,
0.3290

■ 39.0761, 0.2989,
0.3194

■ 43.3014, 0.2870,
0.3105

■ 47.8500, 0.2767,
0.3023

■ 52.7289, 0.2678,
0.2949

Harmonies

Analogous

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



20.0874, 0.4155, 0.3415



20.0874, 0.4195, 0.3836



20.0874, 0.3929, 0.4170

Triad

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



20.0874, 0.4195, 0.3836



20.0874, 0.2465, 0.3567



20.0874, 0.2733, 0.2463

Complementary

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



20.0874, 0.4195, 0.3836



19.1800, 0.2366, 0.2650

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.



20.0874, 0.2341, 0.2442



20.0874, 0.4195, 0.3836



20.0874, 0.2196, 0.3024

Square

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



20.0874, 0.4195, 0.3836



20.0874, 0.2922, 0.4061



20.0874, 0.2156, 0.2627



20.0874, 0.3266, 0.2663

Rectangle

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



20.0874, 0.4195, 0.3836



20.0874, 0.3630, 0.4278



20.0874, 0.2156, 0.2627



20.0874, 0.2582, 0.2435

Sweetspot

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



20.0884, 0.4195, 0.3836



54.0586, 0.3382, 0.3451



14.7399, 0.3676, 0.2558



11.5997, 0.3419, 0.3473



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.0884, 0.4195, 0.3836



32.0713, 0.4522, 0.3936



30.9573, 0.3888, 0.4392



7.0860, 0.3274, 0.3385



9.1207, 0.5593, 0.3941



0.2451, 0.4949, 0.4453

Inverse Universe

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



19.1800, 0.2366, 0.2650



30.1951, 0.2214, 0.2475



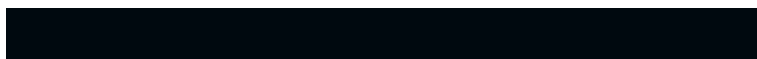
11.0096, 0.2219, 0.1874



7.0370, 0.2988, 0.3193



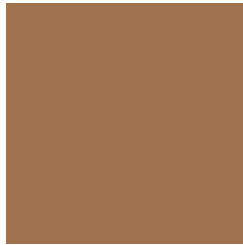
8.0363, 0.1852, 0.1867



0.2265, 0.2026, 0.2495

Previews

White Background



This preview shows how the Yxy color 20.0874, 0.4195, 0.3836 looks on a white background.

Color Contrast Check

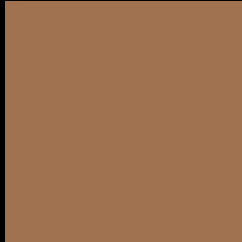
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0874, 0.4195, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

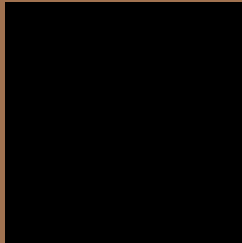
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0874, 0.4195, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 20.0874, 0.4195, 0.3836.



This preview shows how white text looks on a background with the Yxy color 20.0874, 0.4195, 0.3836.

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

20.0874, 0.4195, 0.3836

Protanopia

20.1237, 0.3724, 0.4021

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.0082, 0.3761, 0.3164

Trichromacy



Original Color

20.0874, 0.4195, 0.3836

Protanomaly

19.8971, 0.3883, 0.3941

Deuteranomaly

20.1571, 0.4102, 0.3919

Tritanomaly

20.0497, 0.3920, 0.3405

Monochromacy



Original Color

20.0874, 0.4195, 0.3836

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8340, 0.3491, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0874, 0.4195, 0.3836 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(160, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(160, 114, 80)  
}
```

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(160, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 114, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.0874, 0.4195, 0.3836 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(160, 114, 80) }
```

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

```
.border{ border-color:rgb(160, 114, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 114, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(160, 114,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0874, 0.4195, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 114, 80) }
```

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

```
.background{ background-color: rgb(160,  
114, 80) }
```

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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