

Converting Colors

$Y_{xy}(20.2017, 0.4389, 0.3838)$

Have a look what the booklet for
Yxy(20.2017, 0.4389, 0.3838)
contains.

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Color

Yxy(20.2017, 0.4389, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	A86F4B
RGB	168, 111, 75
RGB Percent	66%, 44%, 29%
CMY	0.3412, 0.5647, 0.7060
CMYK	0.00, 0.34, 0.55, 0.34
HSL	23°, 38%, 48%
HSV	23°, 55%, 66%
XYZ	23.1019, 20.2017, 9.3324
YIQ	123.9390, 45.5280, 0.8880

Conversions

Conversions Part 2

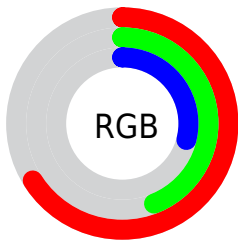
Format	Color
R_{YB}	168, 134, 75
Decimal	11038539
CIE _{Lab}	52.06, 18.66, 29.17
CIE _{LCh}	52, 34.627, 57.400
Yxy	20.2017, 0.4389, 0.3838
Android (android.graphics.Color)	4289228619 (0xFFA86F4B)
YUV	123.9390, -24.1269, 38.6415
Hunter-Lab	44.9463, 13.0912, 19.1518

Details

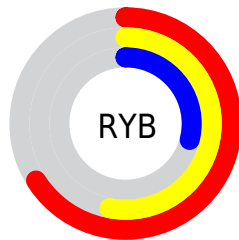
The Yxy color **20.2017, 0.4389, 0.3838** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.8136, 0.2302, 0.2630**, and the grayscale version is **20.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8184, 0.4114, 0.3748**, and **7.1595, 0.4867, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **17.8841, 0.4707, 0.3908**, and if you desaturate by 10%, it is **22.8409, 0.4092, 0.3747**.

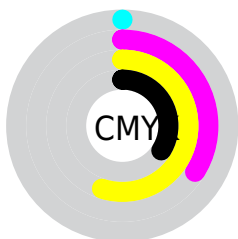
Distribution



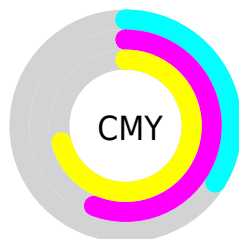
- Red (66%)
- Green (44%)
- Blue (29%)



- Red (66%)
- Yellow (53%)
- Blue (29%)



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



- Cyan (34%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2017, 0.4389, 0.3838 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 20.2017, 0.4389, 0.3838 by changing the saturation by 10% instead.


 20.2017, 0.4389,
0.3838


 20.2017, 0.4389,
0.3838


253.0050, 0.3673,
0.3564


 12.5417, 0.4594,
0.3896


 43.7551, 0.4108,
0.3743

 7.1138, 0.4871,
0.3957


 60.4173, 0.4009,
0.3705


 3.5333, 0.5276,
0.4019

 80.8491, 0.3928,
0.3673

 1.4161, 0.5937,
0.4063

 105.4348, 0.3860,
0.3645

 0.2286, 0.7464,
0.2536

 134.5588, 0.3802,
0.3621

 0.0000, 0.0000,
0.0000

168.6056, 0.3753,

0.3599

207.9595, 0.3710,
0.3581

■ 20.2017, 0.4389,
0.3838

■ 20.2017, 0.4389,
0.3838

■ 17.8841, 0.4707,
0.3908

■ 22.8409, 0.4092,
0.3747

■ 15.8713, 0.5031,
0.3944

■ 25.8114, 0.3825,
0.3646

■ 14.1496, 0.5338,
0.3935

■ 29.1260, 0.3590,
0.3541

■ 12.7020, 0.5604,
0.3875

■ 32.7960, 0.3386,
0.3438

■ 12.1146, 0.5720,
0.3840

■ 36.8322, 0.3211,
0.3340

■ 41.2448, 0.3060,
0.3248

■ 46.0435, 0.2932,
0.3163

■ 51.2379, 0.2821,
0.3085

■ 56.8370, 0.2726,
0.3014

Harmonies

Analogous

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



20.2017, 0.4294, 0.3351



20.2017, 0.4389, 0.3838



20.2017, 0.4114, 0.4259

Triad

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



20.2017, 0.4389, 0.3838



20.2017, 0.2418, 0.3706



20.2017, 0.2589, 0.2324

Complementary

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



20.2017, 0.4389, 0.3838



20.8136, 0.2302, 0.2630

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.



20.2017, 0.2176, 0.2326



20.2017, 0.4389, 0.3838



20.2017, 0.2081, 0.3051

Square

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



20.2017, 0.4389, 0.3838



20.2017, 0.2964, 0.4270



20.2017, 0.2001, 0.2564



20.2017, 0.3191, 0.2526

Rectangle

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



20.2017, 0.4389, 0.3838



20.2017, 0.3781, 0.4430



20.2017, 0.2001, 0.2564



20.2017, 0.2427, 0.2301

Sweetspot

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



20.2027, 0.4389, 0.3838



58.1730, 0.3424, 0.3458



15.0278, 0.3714, 0.2443



12.3976, 0.3461, 0.3477



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.



20.2027, 0.4389, 0.3838



31.7423, 0.4766, 0.3917



32.9957, 0.3989, 0.4461



8.0011, 0.3276, 0.3378



9.2420, 0.5702, 0.3854



0.3245, 0.5103, 0.4330

Inverse Universe

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



20.8136, 0.2302, 0.2630



32.8850, 0.2155, 0.2458



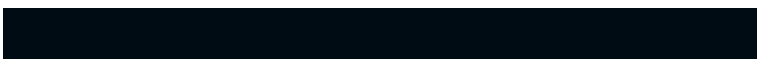
10.9488, 0.2119, 0.1747



8.0367, 0.2987, 0.3200



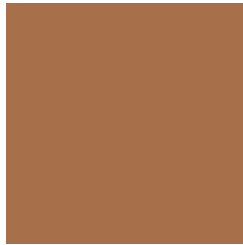
9.5499, 0.1887, 0.1992



0.3271, 0.2020, 0.2470

Previews

White Background



This preview shows how the Yxy color 20.2017, 0.4389, 0.3838 looks on a white background.

Color Contrast Check

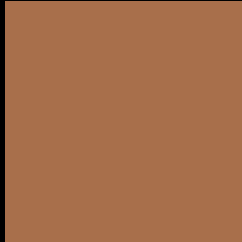
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2017, 0.4389, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

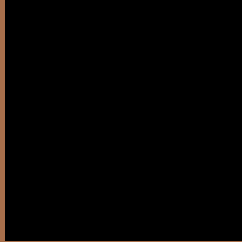
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2017, 0.4389, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 20.2017, 0.4389, 0.3838.



This preview shows how white text looks on a background with the Yxy color 20.2017, 0.4389, 0.3838.

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

20.2017, 0.4389, 0.3838

Protanopia

20.3973, 0.3777, 0.4103

Deuteranopia

20.2540, 0.4117, 0.4055



Tritanopia

20.1809, 0.3925, 0.3170

Trichromacy



Original Color

20.2017, 0.4389, 0.3838

Protanomaly

20.1860, 0.3997, 0.4009

Deuteranomaly

20.1533, 0.4211, 0.3969

Tritanomaly

20.1913, 0.4101, 0.3416

Monochromacy



Original Color

20.2017, 0.4389, 0.3838

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8097, 0.3559, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2017, 0.4389, 0.3838 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(168, 111, 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, 111, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 111, 75) }
```

Border

The CSS property to change the border of an element to Yxy 20.2017, 0.4389, 0.3838 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, 75) }
```

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

```
.border{ border-color:rgb(168, 111, 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, 111, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 111, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 111, 75);  
box-shadow:4px 4px 4px 4px rgb(168, 111,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2017, 0.4389, 0.3838 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, 75) }
```

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

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