

Converting Colors

$Y_{xy}(18.4967, 0.4050, 0.3189)$

Have a look what the booklet for
Yxy(18.4967, 0.4050, 0.3189)
contains.

Yxy(18.3993, 0.4054, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3993, 0.4054, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	A9636A
RGB	169, 99, 106
RGB Percent	66%, 39%, 42%
CMY	0.3374, 0.6117, 0.5844
CMYK	0.00, 0.41, 0.37, 0.34
HSL	354°, 29%, 53%
HSV	354°, 41%, 66%
XYZ	23.4194, 18.3993, 15.9499
YIQ	120.7280, 39.4730, 17.0170

Conversions

Conversions Part 2

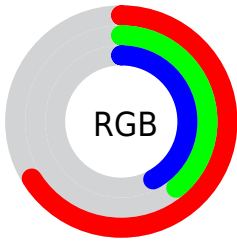
Format	Color
R_{YB}	169, 99, 106
Decimal	11101034
CIE Lab	49.98, 29.08, 8.32
CIE LCh	50, 30.245, 15.974
Yxy	18.3993, 0.4054, 0.3185
Android (android.graphics.Color)	4289291114 (0xFFA9636A)
YUV	120.7280, -7.2609, 42.3345
Hunter-Lab	42.8944, 22.3918, 7.9796

Details

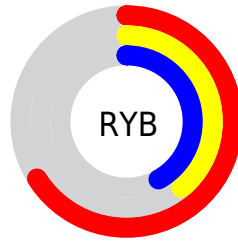
The Yxy color **18.3993, 0.4054, 0.3185** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.6254, 0.2617, 0.3404**, and the grayscale version is **19.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7363, 0.3837, 0.3221**, and **6.1744, 0.4456, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **15.2368, 0.4414, 0.3163**, and if you desaturate by 10%, it is **22.2896, 0.3753, 0.3210**.

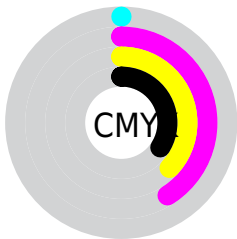
Distribution



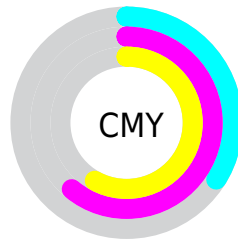
- Red (66%)
- Green (39%)
- Blue (42%)



- Red (66%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (41%)
- Yellow (37%)
- Black (34%)




- Cyan (34%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3993, 0.4054, 0.3185 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 18.3993, 0.4054, 0.3185 by changing the saturation by 10% instead.


 18.3993, 0.4054,
0.3185


 18.3993, 0.4054,
0.3185


243.1122, 0.3515,
0.3257


 11.2370, 0.4221,
0.3157


 40.7166, 0.3836,
0.3218


 6.2265, 0.4460,
0.3112

 56.6403, 0.3762,
0.3228

 2.9833, 0.4826,
0.3032

 76.2534, 0.3701,
0.3236

 1.1230, 0.5503,
0.2896

 99.9402, 0.3651,
0.3242

 0.0000, 1.0000,
0.0000

128.0851, 0.3609,
0.3247

 0.0000, 0.0000,
0.0000

161.0724, 0.3573,

0.3251

199.2867, 0.3542,
0.3254

■ 18.3993, 0.4054,
0.3185

■ 18.3993, 0.4054,
0.3185

■ 15.2368, 0.4414,
0.3163

■ 22.2896, 0.3753,
0.3210

■ 12.7543, 0.4828,
0.3150

■ 26.9462, 0.3506,
0.3237

■ 10.9026, 0.5272,
0.3149


■ 32.4082, 0.3307,
0.3263

■ 9.6247, 0.5702,
0.3166


■ 38.7110, 0.3147,
0.3287

■ 8.8533, 0.6058,
0.3201


■ 45.8882, 0.3017,
0.3309

 8.4710, 0.6276,
0.3231

 53.9714, 0.2913,
0.3329

 62.9906, 0.2827,
0.3348

 72.9745, 0.2757,
0.3365

 83.9505, 0.2699,
0.3380

Harmonies

Analogous

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



18.3993, 0.3555, 0.2786



18.3993, 0.4054, 0.3185



18.3993, 0.4276, 0.3632

Triad

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



18.3993, 0.4054, 0.3185



18.3993, 0.3201, 0.4276



18.3993, 0.2172, 0.2471

Complementary

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



18.3993, 0.4054, 0.3185



33.6254, 0.2617, 0.3404

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.



18.3993, 0.2100, 0.2781



18.3993, 0.4054, 0.3185



18.3993, 0.2660, 0.3880

Square

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



18.3993, 0.4054, 0.3185



18.3993, 0.3750, 0.4313



18.3993, 0.2267, 0.3297



18.3993, 0.2472, 0.2386

Rectangle

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



18.3993, 0.4054, 0.3185



18.3993, 0.4230, 0.3919



18.3993, 0.2267, 0.3297



18.3993, 0.2122, 0.2549

Sweetspot

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



18.4002, 0.4054, 0.3185



57.2070, 0.3322, 0.3261



19.4703, 0.3088, 0.2268



12.1926, 0.3345, 0.3257



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.



18.4002, 0.4054, 0.3185



27.5530, 0.4395, 0.3164



24.5116, 0.3977, 0.3721



7.5540, 0.3271, 0.3268



6.3203, 0.6260, 0.3222



0.1574, 0.5725, 0.2927

Inverse Universe

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



18.4002, 0.4054, 0.3185



27.5530, 0.4395, 0.3164



24.5639, 0.2495, 0.2807



7.5540, 0.3271, 0.3268



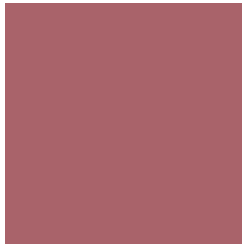
6.3203, 0.6260, 0.3222



0.1574, 0.5725, 0.2927

Previews

White Background



This preview shows how the Yxy color 18.3993, 0.4054, 0.3185 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 18.3993, 0.4054, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

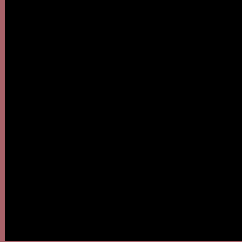
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3993, 0.4054, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 18.3993, 0.4054, 0.3185.



This preview shows how white text looks on a background with the Yxy color 18.3993, 0.4054, 0.3185.

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

18.3993, 0.4054, 0.3185

Protanopia

18.6156, 0.3188, 0.3328

Deuteranopia

18.5591, 0.3574, 0.3510



Tritanopia

18.3993, 0.4054, 0.3185

Trichromacy



Original Color

18.3993, 0.4054, 0.3185

Protanomaly

18.2696, 0.3480, 0.3273

Deuteranomaly

18.3263, 0.3753, 0.3378

Tritanomaly

18.3993, 0.4054, 0.3185

Monochromacy



Original Color

18.3993, 0.4054, 0.3185

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4745, 0.3424, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3993, 0.4054, 0.3185 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(169, 99, 106)` looks like.

```
.text, #text, p{  
    color:rgb(169, 99, 106)  
}
```

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(169, 99, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 99, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.3993, 0.4054, 0.3185 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(169, 99, 106) }
```

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

```
.border{ border-color:rgb(169, 99, 106) }
```

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

Here you see how a box with a 4 pixel rgb(169, 99, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 99, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 99, 106);  
box-shadow:4px 4px 4px 4px rgb(169, 99,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3993, 0.4054, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 99, 106) }
```

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

```
.background{ background-color: rgb(169, 99,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor