

Converting Colors

$Y_{xy}(18.3093, 0.4150, 0.3222)$

Have a look what the booklet for
Yxy(18.3093, 0.4150, 0.3222)
contains.

Yxy(18.3526, 0.4149, 0.3232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.3526, 0.4149, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	AB6266
RGB	171, 98, 102
RGB Percent	67%, 38%, 40%
CMY	0.3294, 0.6157, 0.6000
CMYK	0.00, 0.43, 0.40, 0.33
HSL	357°, 30%, 53%
HSV	357°, 43%, 67%
XYZ	23.5597, 18.3526, 14.8717
YIQ	120.2830, 42.2240, 16.7200

Conversions

Conversions Part 2

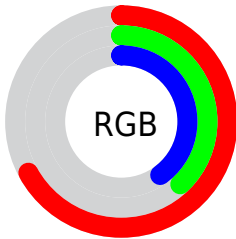
Format	Color
R_{YB}	171, 98, 102
Decimal	11231846
CIE _{Lab}	49.92, 29.94, 10.66
CIE _{LCh}	50, 31.783, 19.594
Yxy	18.3526, 0.4149, 0.3232
Android (android.graphics.Color)	4289421926 (0xFFAB6266)
YUV	120.2830, -9.0135, 44.4788
Hunter-Lab	42.8399, 23.1957, 9.4056

Details

The Yxy color **18.3526, 0.4149, 0.3232** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.5107, 0.2582, 0.3354**, and the grayscale version is **18.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6066, 0.3902, 0.3257**, and **6.1855, 0.4608, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **15.1979, 0.4537, 0.3222**, and if you desaturate by 10%, it is **22.2552, 0.3823, 0.3245**.

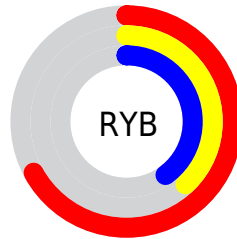
Distribution



Red (67%)

Green (38%)

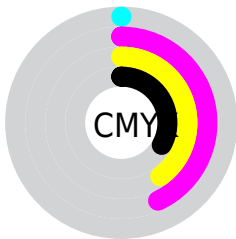
Blue (40%)



Red (67%)

Yellow (38%)

Blue (40%)

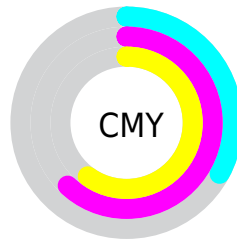


Cyan (0%)

Magenta (43%)

Yellow (40%)

Black (33%)



Cyan (33%)


Magenta (62%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3526, 0.4149, 0.3232 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 18.3526, 0.4149, 0.3232 by changing the saturation by 10% instead.


 18.3526, 0.4149,
0.3232


 18.3526, 0.4149,
0.3232


242.8510, 0.3554,
0.3281


 11.2034, 0.4333,
0.3209


 40.6372, 0.3909,
0.3257


 6.2038, 0.4596,
0.3169


 56.5415, 0.3826,
0.3264

 2.9694, 0.4996,
0.3093

 76.1329, 0.3759,
0.3269

 1.1158, 0.5799,
0.2993

 99.7959, 0.3704,
0.3273

 0.0000, 1.0000,
0.0000

127.9148, 0.3658,
0.3276

 0.0000, 0.0000,
0.0000

160.8740, 0.3618,

0.3278

199.0579, 0.3584,
0.3280

■ 18.3526, 0.4149,
0.3232

■ 18.3526, 0.4149,
0.3232

■ 15.1979, 0.4537,
0.3222

■ 22.2552, 0.3823,
0.3245

■ 12.7407, 0.4976,
0.3216

■ 26.9464, 0.3556,
0.3259

■ 10.9290, 0.5435,
0.3219


■ 32.4672, 0.3341,
0.3273

■ 9.7020, 0.5860,
0.3232

■ 38.8548, 0.3168,
0.3287

■ 8.9876, 0.6182,
0.3255

■ 46.1444, 0.3028,
0.3299

 8.6778, 0.6338,
0.3265

 54.3692, 0.2916,
0.3310

 63.5605, 0.2825,
0.3320

 73.7484, 0.2750,
0.3329

 84.9617, 0.2688,
0.3337

Harmonies

Analogous

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



18.3526, 0.3649, 0.2807



18.3526, 0.4149, 0.3232



18.3526, 0.4337, 0.3699

Triad

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



18.3526, 0.4149, 0.3232



18.3526, 0.3130, 0.4301



18.3526, 0.2154, 0.2409

Complementary

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



18.3526, 0.4149, 0.3232



34.5107, 0.2582, 0.3354

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.



18.3526, 0.2049, 0.2702



18.3526, 0.4149, 0.3232



18.3526, 0.2575, 0.3843

Square

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



18.3526, 0.4149, 0.3232



18.3526, 0.3713, 0.4381



18.3526, 0.2192, 0.3220



18.3526, 0.2493, 0.2349

Rectangle

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



18.3526, 0.4149, 0.3232



18.3526, 0.4258, 0.3994



18.3526, 0.2192, 0.3220



18.3526, 0.2092, 0.2480

Sweetspot

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



18.3535, 0.4149, 0.3232



57.5716, 0.3351, 0.3273



19.7978, 0.3116, 0.2245



12.3379, 0.3394, 0.3270



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.3535, 0.4149, 0.3232



27.6162, 0.4504, 0.3222



25.4077, 0.3997, 0.3771



8.0222, 0.3278, 0.3278



6.5449, 0.6327, 0.3259



0.1843, 0.6024, 0.3092

Inverse Universe

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



18.3535, 0.4149, 0.3232



27.6162, 0.4504, 0.3222



24.1088, 0.2468, 0.2745



8.0222, 0.3278, 0.3278



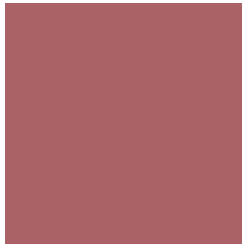
6.5449, 0.6327, 0.3259



0.1843, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 18.3526, 0.4149, 0.3232 looks on a white background.

Color Contrast Check

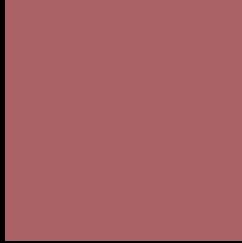
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.3526, 0.4149, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

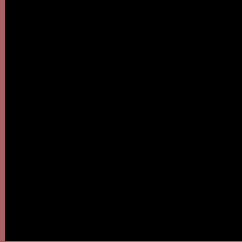
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3526, 0.4149, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 18.3526, 0.4149, 0.3232.



This preview shows how white text looks on a background with the Yxy color 18.3526, 0.4149, 0.3232.

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

18.3526, 0.4149, 0.3232

Protanopia

18.5969, 0.3249, 0.3405

Deuteranopia

18.5656, 0.3640, 0.3582



Tritanopia

18.4132, 0.4103, 0.3186

Trichromacy



Original Color

18.3526, 0.4149, 0.3232

Protanomaly

18.0485, 0.3551, 0.3327

Deuteranomaly

18.3414, 0.3824, 0.3447

Tritanomaly

18.3928, 0.4118, 0.3201

Monochromacy



Original Color

18.3526, 0.4149, 0.3232

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.2696, 0.3480, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3526, 0.4149, 0.3232 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(171, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(171, 98, 102)  
}
```

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(171, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 98, 102) }
```

Border

The CSS property to change the border of an element to Yxy 18.3526, 0.4149, 0.3232 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(171, 98, 102) }
```

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

```
.border{ border-color:rgb(171, 98, 102) }
```

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

Here you see how a box with a 4 pixel rgb(171, 98, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(171, 98,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3526, 0.4149, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 98, 102) }
```

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

```
.background{ background-color: rgb(171, 98,  
102) }
```

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