

Converting Colors

$Y_{xy}(23.9622, 0.3344, 0.2746)$

Have a look what the booklet for
Yxy(23.9622, 0.3344, 0.2746)
contains.

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Color

Yxy(23.9814, 0.3345, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	AB769B
RGB	171, 118, 155
RGB Percent	67%, 46%, 61%
CMY	0.3293, 0.5373, 0.3922
CMYK	0.00, 0.31, 0.09, 0.33
HSL	318°, 24%, 57%
HSV	318°, 31%, 67%
XYZ	29.1913, 23.9814, 34.0958
YIQ	138.0650, 19.7110, 22.7430

Conversions

Conversions Part 2

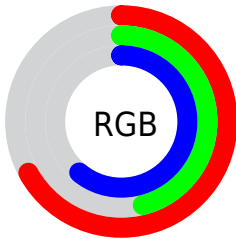
Format	Color
RYB	171, 118, 155
Decimal	11237019
CIELab	56.07, 26.70, -11.56
CIELCh	56, 29.096, 336.598
Yxy	23.9814, 0.3345, 0.2748
Android (android.graphics.Color)	4289427099 (0xFFAB769B)
YUV	138.0650, 8.3490, 28.8840
Hunter-Lab	48.9708, 20.7043, -7.0010

Details

The Yxy color $23.9814, 0.3345, 0.2748$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.7056, 0.2962, 0.3903$, and the grayscale version is $25.4043, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.0602, 0.3305, 0.2865$, and $9.1073, 0.3415, 0.2571$ is the 20% darker color. If you saturate the color by 10%, you get $20.1433, 0.3439, 0.2572$, and if you desaturate by 10%, it is $28.5593, 0.3263, 0.2927$.

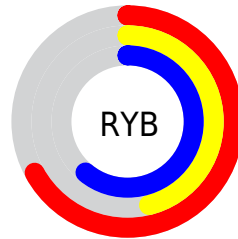
Distribution



Red (67%)

Green (46%)

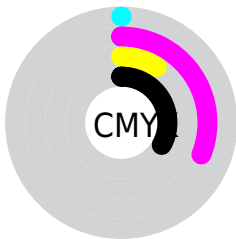
Blue (61%)



Red (67%)

Yellow (46%)

Blue (61%)

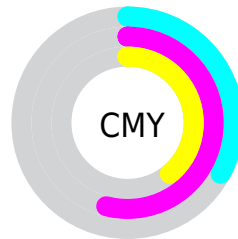


Cyan (0%)

Magenta (31%)

Yellow (9%)

Black (33%)



Cyan (33%)


Magenta (54%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9814, 0.3345, 0.2748 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 23.9814, 0.3345, 0.2748 by changing the saturation by 10% instead.


 23.9814, 0.3345,
0.2748


 23.9814, 0.3345,
0.2748


272.7264, 0.3230,
0.3036


 15.3198, 0.3376,
0.2670


 49.9998, 0.3302,
0.2857

 9.0442, 0.3417,
0.2566


 68.1255, 0.3286,
0.2897

 4.7700, 0.3474,
0.2420


 90.1746, 0.3273,
0.2930

 2.1129, 0.3557,
0.2203

116.5317, 0.3261,
0.2958

 0.6719, 0.3708,
0.1812

147.5810, 0.3252,
0.2982

 0.0000, 0.4162,
0.0000

183.7069, 0.3244,

 0.0000, 0.0000,

0.3002

0.0000

225.2940, 0.3236,
0.3021

■ 23.9814, 0.3345,
0.2748

■ 23.9814, 0.3345,
0.2748

■ 20.1433, 0.3439,
0.2572

■ 28.5593, 0.3263,
0.2927

■ 17.0022, 0.3544,
0.2407

■ 33.9104, 0.3193,
0.3104

■ 14.5159, 0.3659,
0.2262

■ 40.0699, 0.3133,
0.3273


■ 12.6362, 0.3782,
0.2148


■ 47.0700, 0.3082,
0.3434

■ 11.3082, 0.3909,
0.2075

■ 54.9410, 0.3039,
0.3583


 10.4671, 0.4036,
0.2050

 63.7117, 0.3004,
0.3722

 9.9994, 0.4148,
0.2059

 73.4097, 0.2974,
0.3850

 84.0612, 0.2949,
0.3967

 84.4213, 0.2922,
0.3906

Harmonies

Analogous

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



23.9814, 0.2836, 0.2535



23.9814, 0.3345, 0.2748



23.9814, 0.3826, 0.3082

Triad

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



23.9814, 0.3345, 0.2748



23.9814, 0.3814, 0.4146



23.9814, 0.2235, 0.2973

Complementary

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



23.9814, 0.3345, 0.2748



34.7056, 0.2962, 0.3903

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.



23.9814, 0.2455, 0.3462



23.9814, 0.3345, 0.2748



23.9814, 0.3357, 0.4197

Square

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



23.9814, 0.3345, 0.2748



23.9814, 0.4099, 0.3865



23.9814, 0.2860, 0.3940



23.9814, 0.2232, 0.2631

Rectangle

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



23.9814, 0.3345, 0.2748



23.9814, 0.4045, 0.3344



23.9814, 0.2860, 0.3940



23.9814, 0.2285, 0.3125

Sweetspot

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



23.9825, 0.3345, 0.2748



62.6406, 0.3181, 0.3136



20.9578, 0.2752, 0.2439



13.6377, 0.3190, 0.3111



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.



23.9825, 0.3345, 0.2748



38.2265, 0.3406, 0.2630



23.1907, 0.3674, 0.3131



8.1062, 0.3182, 0.3133



7.5461, 0.4137, 0.2052



0.2190, 0.3796, 0.1865

Inverse Universe

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



23.9825, 0.3345, 0.2748



38.2265, 0.3406, 0.2630



35.5363, 0.2765, 0.3458



8.1062, 0.3182, 0.3133



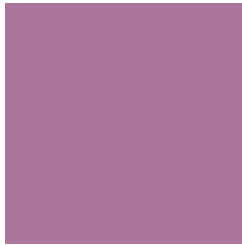
7.5461, 0.4137, 0.2052



0.2190, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 23.9814, 0.3345, 0.2748 looks on a white background.

Color Contrast Check

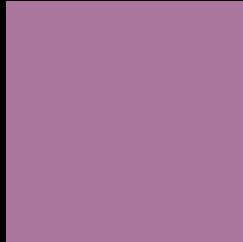
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9814, 0.3345, 0.2748 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 23.9814, 0.3345, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 23.9814, 0.3345, 0.2748.



This preview shows how white text looks on a background with the Yxy color 23.9814, 0.3345, 0.2748.

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

23.9814, 0.3345, 0.2748

Protanopia

24.0037, 0.2754, 0.2762

Deuteranopia

24.0215, 0.2989, 0.2929



Tritanopia

23.9098, 0.3580, 0.3138

Trichromacy



Original Color

23.9814, 0.3345, 0.2748

Protanomaly

23.8512, 0.2952, 0.2763

Deuteranomaly

23.8341, 0.3113, 0.2848

Tritanomaly

24.0032, 0.3496, 0.3004

Monochromacy



Original Color

23.9814, 0.3345, 0.2748

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.7302, 0.3206, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9814, 0.3345, 0.2748 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, 118, 155)` looks like.

```
.text, #text, p{  
    color:rgb(171, 118, 155)  
}
```

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, 118, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 118, 155) }
```

Border

The CSS property to change the border of an element to Yxy 23.9814, 0.3345, 0.2748 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, 118, 155) }
```

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

```
.border{ border-color:rgb(171, 118, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 118, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 118, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 118, 155);  
box-shadow:4px 4px 4px 4px rgb(171, 118,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9814, 0.3345, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 118, 155) }
```

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

```
.background{ background-color: rgb(171,  
118, 155) }
```

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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