

Converting Colors

$Y_{xy}(21.3833, 0.3403, 0.2629)$

Have a look what the booklet for
Yxy(21.3833, 0.3403, 0.2629)
contains.

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Color

Yxy(21.4403, 0.3399, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	AB6B98
RGB	171, 107, 152
RGB Percent	67%, 42%, 60%
CMY	0.3294, 0.5804, 0.4038
CMYK	0.00, 0.37, 0.11, 0.33
HSL	318°, 28%, 55%
HSV	318°, 37%, 67%
XYZ	27.7199, 21.4403, 32.3929
YIQ	131.2660, 23.6990, 27.5630

Conversions

Conversions Part 2

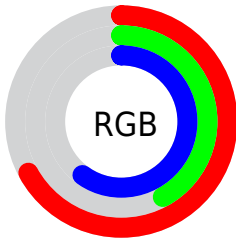
Format	Color
R_{YB}	171, 107, 152
Decimal	11234200
CIE _{Lab}	53.43, 32.32, -13.81
CIE _{LCh}	53, 35.148, 336.863
Yxy	21.4403, 0.3399, 0.2629
Android (android.graphics.Color)	4289424280 (0xFFAB6B98)
YUV	131.2660, 10.2219, 34.8467
Hunter-Lab	46.3037, 25.8283, -9.0652

Details

The Yxy color $21.4403, 0.3399, 0.2629$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.7547, 0.2935, 0.4062$, and the grayscale version is $22.7542, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.5834, 0.3345, 0.2761$, and $7.7476, 0.3482, 0.2409$ is the 20% darker color. If you saturate the color by 10%, you get $18.0587, 0.3498, 0.2458$, and if you desaturate by 10%, it is $25.5360, 0.3311, 0.2808$.

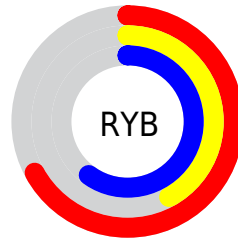
Distribution



Red (67%)

Green (42%)

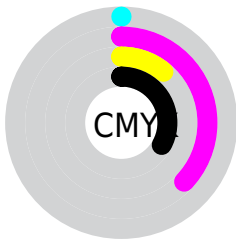
Blue (60%)



Red (67%)

Yellow (42%)

Blue (60%)

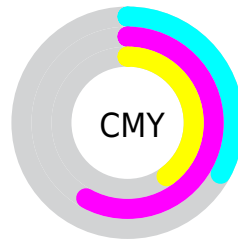


Cyan (0%)

Magenta (37%)

Yellow (11%)

Black (33%)



Cyan (33%)


Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4403, 0.3399, 0.2629 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 21.4403, 0.3399, 0.2629 by changing the saturation by 10% instead.


 21.4403, 0.3399,
0.2629

 21.4403, 0.3399,
0.2629


259.6093, 0.3254,
0.2983


 13.4462, 0.3438,
0.2532


 45.8192, 0.3344,
0.2764


 7.7365, 0.3490,
0.2404


 62.9728, 0.3324,
0.2812

 3.9268, 0.3562,
0.2223


 83.9483, 0.3308,
0.2853

 1.6327, 0.3668,
0.1953

 109.1302, 0.3294,
0.2887

 0.3795, 0.3950,
0.1261

138.9029, 0.3282,
0.2916

 0.0000, 0.3599,
0.0000

173.6507, 0.3272,

 0.0000, 0.0000,

0.2941

0.0000

213.7580, 0.3262,
0.2964

■ 21.4403, 0.3399,
0.2629

■ 21.4403, 0.3399,
0.2629

■ 18.0587, 0.3498,
0.2458

■ 25.5360, 0.3311,
0.2808

■ 15.3463, 0.3608,
0.2303

■ 30.3813, 0.3235,
0.2989

■ 13.2580, 0.3726,
0.2177


■ 36.0128, 0.3169,
0.3165

■ 11.7415, 0.3849,
0.2087


■ 42.4638, 0.3114,
0.3332

■ 10.7362, 0.3973,
0.2043


■ 49.7659, 0.3067,
0.3490

 10.1483, 0.4095,
0.2044

 57.9487, 0.3027,
0.3637

 10.0205, 0.4126,
0.2047

 67.0407, 0.2994,
0.3773

 77.0688, 0.2967,
0.3898

 84.2379, 0.2942,
0.3953

Harmonies

Analogous

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



21.4403, 0.2765, 0.2372



21.4403, 0.3399, 0.2629



21.4403, 0.4008, 0.3029

Triad

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



21.4403, 0.3399, 0.2629



21.4403, 0.3964, 0.4351



21.4403, 0.2032, 0.2875

Complementary

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



21.4403, 0.3399, 0.2629



33.7547, 0.2935, 0.4062

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.



21.4403, 0.2289, 0.3493



21.4403, 0.3399, 0.2629



21.4403, 0.3391, 0.4442

Square

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



21.4403, 0.3399, 0.2629



21.4403, 0.4332, 0.3981



21.4403, 0.2778, 0.4118



21.4403, 0.2034, 0.2466

Rectangle

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



21.4403, 0.3399, 0.2629



21.4403, 0.4283, 0.3342



21.4403, 0.2778, 0.4118



21.4403, 0.2089, 0.3064

Sweetspot

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



21.4413, 0.3399, 0.2629



60.5281, 0.3193, 0.3099



17.8266, 0.2643, 0.2235



13.2013, 0.3201, 0.3076



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.



21.4413, 0.3399, 0.2629



33.2464, 0.3481, 0.2485



20.5508, 0.3821, 0.3080



8.1070, 0.3181, 0.3132



7.5643, 0.4115, 0.2041



0.2194, 0.3783, 0.1858

Inverse Universe

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



21.4413, 0.3399, 0.2629



33.2464, 0.3481, 0.2485



34.6877, 0.2709, 0.3516



8.1070, 0.3181, 0.3132



7.5643, 0.4115, 0.2041



0.2194, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 21.4403, 0.3399, 0.2629 looks on a white background.

Color Contrast Check

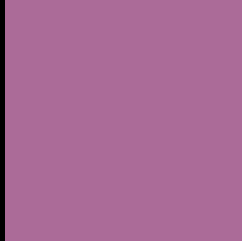
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4403, 0.3399, 0.2629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

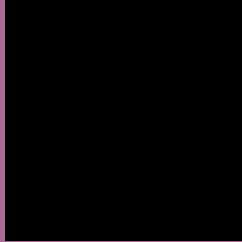
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4403, 0.3399, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 21.4403, 0.3399, 0.2629.



This preview shows how white text looks on a background with the Yxy color 21.4403, 0.3399, 0.2629.

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

21.4403, 0.3399, 0.2629

Protanopia

21.7835, 0.2649, 0.2629

Deuteranopia

21.5830, 0.2929, 0.2878



Tritanopia

21.4062, 0.3742, 0.3167

Trichromacy



Original Color

21.4403, 0.3399, 0.2629

Protanomaly

21.3245, 0.2883, 0.2620

Deuteranomaly

21.1786, 0.3091, 0.2767

Tritanomaly

21.3597, 0.3614, 0.2969

Monochromacy



Original Color

21.4403, 0.3399, 0.2629

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8941, 0.3225, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4403, 0.3399, 0.2629 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, 107, 152)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 152)  
}
```

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, 107, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 152) }
```

Border

The CSS property to change the border of an element to Yxy 21.4403, 0.3399, 0.2629 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, 107, 152) }
```

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

```
.border{ border-color:rgb(171, 107, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 152);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4403, 0.3399, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 152) }
```

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

```
.background{ background-color: rgb(171,  
107, 152) }
```

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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