

Converting Colors

$Y_{xy}(24.3192, 0.3343, 0.2561)$

Have a look what the booklet for
Yxy(24.3192, 0.3343, 0.2561)
contains.

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Color

Yxy(24.3872, 0.3340, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	B571A6
RGB	181, 113, 166
RGB Percent	71%, 44%, 65%
CMY	0.2902, 0.5568, 0.3490
CMYK	0.00, 0.38, 0.08, 0.29
HSL	313°, 31%, 58%
HSV	313°, 38%, 71%
XYZ	31.8426, 24.3872, 39.1072
YIQ	139.3740, 23.5150, 30.8990

Conversions

Conversions Part 2

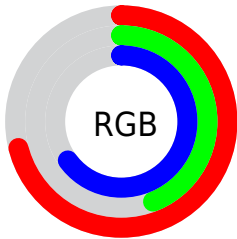
Format	Color
R_{YB}	181, 113, 166
Decimal	11891110
CIE _{Lab}	56.47, 34.88, -17.21
CIE _{LCh}	56, 38.894, 333.735
Yxy	24.3872, 0.3340, 0.2558
Android (android.graphics.Color)	4290081190 (0xFFB571A6)
YUV	139.3740, 13.1266, 36.5060
Hunter-Lab	49.3834, 28.6763, -12.3840

Details

The Yxy color $24.3872, 0.3340, 0.2558$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $38.1135, 0.2970, 0.4157$, and the grayscale version is $25.9128, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.6700, 0.3303, 0.2702$, and $9.2819, 0.3405, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $20.6001, 0.3415, 0.2372$, and if you desaturate by 10%, it is $28.9864, 0.3273, 0.2754$.

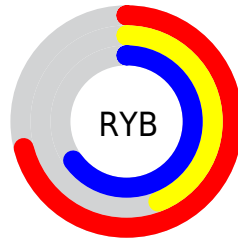
Distribution



Red (71%)

Green (44%)

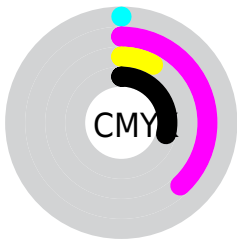
Blue (65%)



Red (71%)

Yellow (44%)

Blue (65%)

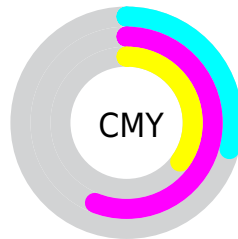


Cyan (0%)

Magenta (38%)

Yellow (8%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3872, 0.3340, 0.2558 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 24.3872, 0.3340, 0.2558 by changing the saturation by 10% instead.


 24.3872, 0.3340,
0.2558


 24.3872, 0.3340,
0.2558


274.7722, 0.3233,
0.2940


 15.6211, 0.3367,
0.2458


 50.6613, 0.3301,
0.2700

 9.2564, 0.3401,
0.2327


 68.9381, 0.3286,
0.2753

 4.9088, 0.3445,
0.2148


 91.1540, 0.3274,
0.2796

 2.1939, 0.3505,
0.1892

 117.6932, 0.3263,
0.2834

 0.7166, 0.3592,
0.1481

148.9403, 0.3254,
0.2866

 0.0000, 0.3817,
0.0000

185.2795, 0.3246,

 0.0000, 0.0000,

0.2894

0.0000

227.0954, 0.3239,
0.2918

■ 24.3872, 0.3340,
0.2558

■ 24.3872, 0.3340,
0.2558

■ 20.6001, 0.3415,
0.2372

■ 28.9864, 0.3273,
0.2754

■ 17.5735, 0.3496,
0.2204

■ 34.4386, 0.3213,
0.2953

■ 15.2553, 0.3581,
0.2066

■ 40.7858, 0.3161,
0.3148


■ 13.5853, 0.3668,
0.1966


■ 48.0664, 0.3117,
0.3335


■ 12.4933, 0.3754,
0.1911


■ 56.3164, 0.3079,
0.3511

 11.8734, 0.3838,
0.1900

 65.5700, 0.3047,
0.3675

 11.7484, 0.3858,
0.1899

 75.8599, 0.3020,
0.3827

 85.4162, 0.2997,
0.3939

 85.6027, 0.2976,
0.3892

Harmonies

Analogous

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



24.3872, 0.2680, 0.2307



24.3872, 0.3340, 0.2558



24.3872, 0.4002, 0.2963

Triad

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



24.3872, 0.3340, 0.2558



24.3872, 0.4061, 0.4378



24.3872, 0.1990, 0.2906

Complementary

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



24.3872, 0.3340, 0.2558



38.1135, 0.2970, 0.4157

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.



24.3872, 0.2284, 0.3578



24.3872, 0.3340, 0.2558



24.3872, 0.3469, 0.4525

Square

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



24.3872, 0.3340, 0.2558



24.3872, 0.4423, 0.3962



24.3872, 0.2818, 0.4230



24.3872, 0.1965, 0.2451

Rectangle

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



24.3872, 0.3340, 0.2558



24.3872, 0.4318, 0.3287



24.3872, 0.2818, 0.4230



24.3872, 0.2058, 0.3113

Sweetspot

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



24.3883, 0.3340, 0.2558



68.7463, 0.3179, 0.3078



19.7171, 0.2593, 0.2212



14.5290, 0.3186, 0.3052



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.3883, 0.3340, 0.2558



38.0222, 0.3401, 0.2404



23.3083, 0.3768, 0.3014



8.6140, 0.3170, 0.3114



8.1108, 0.3849, 0.1894



0.2632, 0.3638, 0.1778

Inverse Universe

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



24.3883, 0.3340, 0.2558



38.0222, 0.3401, 0.2404



39.1541, 0.2736, 0.3591



8.6140, 0.3170, 0.3114



8.1108, 0.3849, 0.1894



0.2632, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 24.3872, 0.3340, 0.2558 looks on a white background.

Color Contrast Check

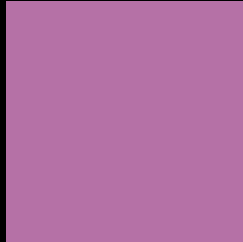
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3872, 0.3340, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

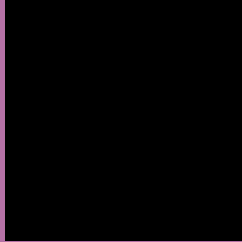
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3872, 0.3340, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 24.3872, 0.3340, 0.2558.



This preview shows how white text looks on a background with the Yxy color 24.3872, 0.3340, 0.2558.

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

24.3872, 0.3340, 0.2558

Protanopia

24.5973, 0.2587, 0.2542

Deuteranopia

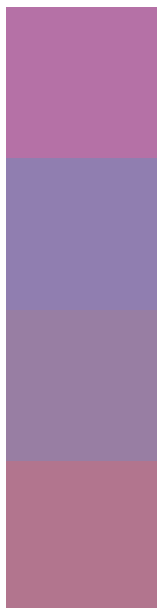
24.6179, 0.2871, 0.2820



Tritanopia

24.3650, 0.3735, 0.3159

Trichromacy



Original Color

24.3872, 0.3340, 0.2558

Protanomaly

23.9856, 0.2819, 0.2523

Deuteranomaly

24.2415, 0.3030, 0.2719

Tritanomaly

24.1406, 0.3591, 0.2928

Monochromacy



Original Color

24.3872, 0.3340, 0.2558

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0052, 0.3198, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3872, 0.3340, 0.2558 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(181, 113, 166)` looks like.

```
.text, #text, p{  
    color:rgb(181, 113, 166)  
}
```

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(181, 113, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 113, 166) }
```

Border

The CSS property to change the border of an element to Yxy 24.3872, 0.3340, 0.2558 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(181, 113, 166) }
```

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

```
.border{ border-color:rgb(181, 113, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 113, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 113, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 113, 166);  
box-shadow:4px 4px 4px 4px rgb(181, 113,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3872, 0.3340, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 113, 166) }
```

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

```
.background{ background-color: rgb(181,  
113, 166) }
```

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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