

Converting Colors

$Y_{xy}(24.6250, 0.3337, 0.2794)$

Have a look what the booklet for
Yxy(24.6250, 0.3337, 0.2794)
contains.

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Color

Yxy(24.5873, 0.3328, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	AA799B
RGB	170, 121, 155
RGB Percent	67%, 47%, 61%
CMY	0.3334, 0.5254, 0.3922
CMYK	0.00, 0.29, 0.09, 0.33
HSL	318°, 22%, 57%
HSV	318°, 29%, 67%
XYZ	29.3285, 24.5873, 34.2107
YIQ	139.5270, 18.2900, 20.9620

Conversions

Conversions Part 2

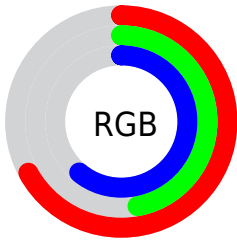
Format	Color
R _Y B	170, 121, 155
Decimal	11172251
CIE Lab	56.67, 24.64, -10.67
CIE LCh	57, 26.848, 336.580
Yxy	24.5873, 0.3328, 0.2790
Android (android.graphics.Color)	4289362331 (0xFFAA799B)
YUV	139.5270, 7.6282, 26.7248
Hunter-Lab	49.5856, 18.8031, -6.1962

Details

The Yxy color $24.5873, 0.3328, 0.2790$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.5863, 0.2972, 0.3849$, and the grayscale version is $25.9977, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0443, 0.3293, 0.2897$, and $9.4161, 0.3390, 0.2627$ is the 20% darker color. If you saturate the color by 10%, you get $20.6431, 0.3420, 0.2613$, and if you desaturate by 10%, it is $29.2692, 0.3248, 0.2968$.

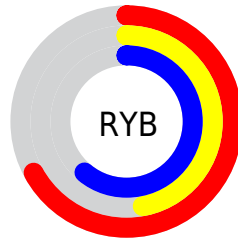
Distribution



Red (67%)

Green (47%)

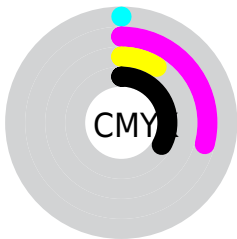
Blue (61%)



Red (67%)

Yellow (47%)

Blue (61%)

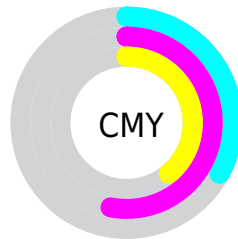


Cyan (0%)

Magenta (29%)

Yellow (9%)

Black (33%)



Cyan (33%)


Magenta (53%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5873, 0.3328, 0.2790 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 24.5873, 0.3328, 0.2790 by changing the saturation by 10% instead.


 24.5873, 0.3328,
0.2790

 24.5873, 0.3328,
0.2790


275.7764, 0.3222,
0.3056


 15.7698, 0.3357,
0.2718


 50.9869, 0.3288,
0.2891

 9.3614, 0.3394,
0.2622


 69.3379, 0.3273,
0.2927

 4.9777, 0.3447,
0.2487


 91.6354, 0.3261,
0.2958

 2.2342, 0.3525,
0.2286

118.2640, 0.3251,
0.2984

 0.7385, 0.3657,
0.1939

149.6080, 0.3242,
0.3006

 0.0000, 0.4214,
0.0000

186.0518, 0.3234,

 0.0000, 0.0000,

0.3025

0.0000

227.9798, 0.3228,
0.3041

■ 24.5873, 0.3328,
0.2790

■ 24.5873, 0.3328,
0.2790

■ 20.6431, 0.3420,
0.2613

■ 29.2692, 0.3248,
0.2968

■ 17.3951, 0.3524,
0.2446

■ 34.7210, 0.3179,
0.3143

■ 14.8024, 0.3639,
0.2296


■ 40.9769, 0.3121,
0.3309

■ 12.8189, 0.3762,
0.2176


■ 48.0683, 0.3071,
0.3467

■ 11.3921, 0.3890,
0.2094

■ 56.0247, 0.3030,
0.3613

 10.4608, 0.4019,
0.2058


 64.8742, 0.2996,
0.3748

 9.9104, 0.4146,
0.2065

 74.6437, 0.2967,
0.3873

 9.8517, 0.4161,
0.2066

 84.0772, 0.2942,
0.3966

 84.3191, 0.2915,
0.3904

Harmonies

Analogous

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



24.5873, 0.2862, 0.2593



24.5873, 0.3328, 0.2790



24.5873, 0.3766, 0.3101

Triad

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



24.5873, 0.3328, 0.2790



24.5873, 0.3761, 0.4075



24.5873, 0.2305, 0.3004

Complementary

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



24.5873, 0.3328, 0.2790



34.5863, 0.2972, 0.3849

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.



24.5873, 0.2511, 0.3450



24.5873, 0.3328, 0.2790



24.5873, 0.3342, 0.4115

Square

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



24.5873, 0.3328, 0.2790



24.5873, 0.4018, 0.3823



24.5873, 0.2885, 0.3880



24.5873, 0.2301, 0.2687

Rectangle

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



24.5873, 0.3328, 0.2790



24.5873, 0.3966, 0.3343



24.5873, 0.2885, 0.3880



24.5873, 0.2352, 0.3143

Sweetspot

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



24.5884, 0.3328, 0.2790



62.6368, 0.3181, 0.3137



21.7887, 0.2783, 0.2506



13.6368, 0.3191, 0.3112



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.



24.5884, 0.3328, 0.2790



39.5955, 0.3390, 0.2669



23.8552, 0.3622, 0.3143



7.6269, 0.3182, 0.3135



7.2589, 0.4148, 0.2059



0.1851, 0.3774, 0.1853

Inverse Universe

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



24.5884, 0.3328, 0.2790



39.5955, 0.3390, 0.2669



35.3536, 0.2789, 0.3445



7.6269, 0.3182, 0.3135



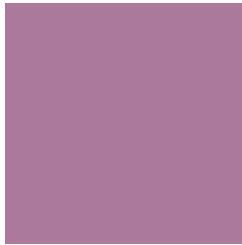
7.2589, 0.4148, 0.2059



0.1851, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 24.5873, 0.3328, 0.2790 looks on a white background.

Color Contrast Check

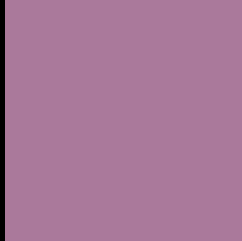
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5873, 0.3328, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

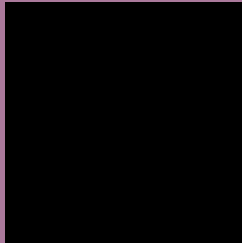
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5873, 0.3328, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 24.5873, 0.3328, 0.2790.



This preview shows how white text looks on a background with the Yxy color 24.5873, 0.3328, 0.2790.

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

24.5873, 0.3328, 0.2790

Protanopia

24.7541, 0.2794, 0.2815

Deuteranopia

24.8257, 0.3021, 0.2966



Tritanopia

24.6040, 0.3534, 0.3153

Trichromacy



Original Color

24.5873, 0.3328, 0.2790

Protanomaly

24.5582, 0.2974, 0.2799

Deuteranomaly

24.7090, 0.3123, 0.2897

Tritanomaly

24.6931, 0.3452, 0.3019

Monochromacy



Original Color

24.5873, 0.3328, 0.2790

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.3987, 0.3204, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5873, 0.3328, 0.2790 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(170, 121, 155)` looks like.

```
.text, #text, p{  
    color:rgb(170, 121, 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(170, 121, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 121, 155) }
```

Border

The CSS property to change the border of an element to Yxy 24.5873, 0.3328, 0.2790 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(170, 121, 155) }
```

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

```
.border{ border-color:rgb(170, 121, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 121, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 121, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 121, 155);  
box-shadow:4px 4px 4px 4px rgb(170, 121,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5873, 0.3328, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 121, 155) }
```

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

```
.background{ background-color: rgb(170,  
121, 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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