

Converting Colors

$Y_{xy}(27.5848, 0.3369, 0.2681)$

Have a look what the booklet for
Yxy(27.5848, 0.3369, 0.2681)
contains.

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Color

Yxy(27.5579, 0.3372, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	BB7BA8
RGB	187, 123, 168
RGB Percent	73%, 48%, 66%
CMY	0.2666, 0.5177, 0.3411
CMYK	0.00, 0.34, 0.10, 0.27
HSL	318°, 32%, 61%
HSV	318°, 34%, 73%
XYZ	34.6477, 27.5579, 40.5457
YIQ	147.2660, 23.6990, 27.5630

Conversions

Conversions Part 2

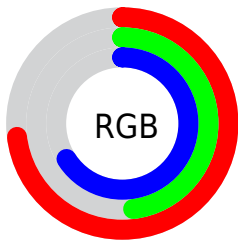
Format	Color
R _Y B	187, 123, 168
Decimal	12286888
CIE Lab	59.49, 31.80, -13.74
CIE LCh	59, 34.641, 336.636
Yxy	27.5579, 0.3372, 0.2682
Android (android.graphics.Color)	4290476968 (0xFFBB7BA8)
YUV	147.2660, 10.2219, 34.8467
Hunter-Lab	52.4956, 25.9448, -9.0465

Details

The Yxy color **27.5579, 0.3372, 0.2682** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.7099, 0.2948, 0.3990**, and the grayscale version is **29.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6115, 0.3327, 0.2797**, and **11.0126, 0.3451, 0.2499** is the 20% darker color. If you saturate the color by 10%, you get **23.1518, 0.3469, 0.2506**, and if you desaturate by 10%, it is **32.8616, 0.3287, 0.2863**.

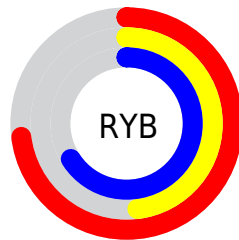
Distribution



Red (73%)

Green (48%)

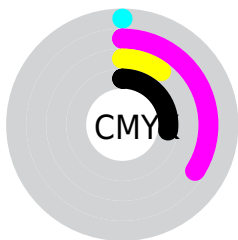
Blue (66%)



Red (73%)

Yellow (48%)

Blue (66%)

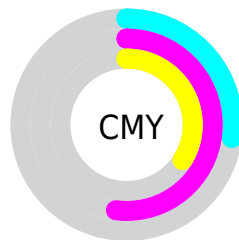


Cyan (0%)

Magenta (34%)

Yellow (10%)

Black (27%)



Cyan (27%)


Magenta (52%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5579, 0.3372, 0.2682 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 27.5579, 0.3372, 0.2682 by changing the saturation by 10% instead.

 27.5579, 0.3372,
0.2682

 27.5579, 0.3372,
0.2682


290.3483, 0.3246,
0.2997


 17.9927, 0.3404,
0.2600


 55.7778, 0.3326,
0.2799

 10.9447, 0.3446,
0.2493


 75.2013, 0.3308,
0.2842

 6.0297, 0.3503,
0.2348


 98.6797, 0.3294,
0.2878

 2.8631, 0.3584,
0.2139

126.5973, 0.3282,
0.2909

 1.0607, 0.3705,
0.1818

159.3386, 0.3271,
0.2935

 0.0000, 0.4456,
0.0000

197.2879, 0.3262,

 0.0000, 0.0000,

0.2958

0.0000

240.8297, 0.3254,
0.2979

■ 27.5579, 0.3372,
0.2682

■ 27.5579, 0.3372,
0.2682

■ 23.1518, 0.3469,
0.2506

■ 32.8616, 0.3287,
0.2863

■ 19.5887, 0.3576,
0.2345

■ 39.1059, 0.3214,
0.3044

■ 16.8142, 0.3693,
0.2209

■ 46.3355, 0.3151,
0.3219


■ 14.7656, 0.3816,
0.2108


■ 54.5911, 0.3098,
0.3385

■ 13.3707, 0.3941,
0.2050


■ 63.9112, 0.3053,
0.3540

 12.5422, 0.4064,
0.2042

 74.3321, 0.3015,
0.3684

 12.2191, 0.4135,
0.2051

 85.8887, 0.2984,
0.3817

 86.8610, 0.2955,
0.3764

 87.1467, 0.2925,
0.3700

Harmonies

Analogous

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



27.5579, 0.2796, 0.2445



27.5579, 0.3372, 0.2682



27.5579, 0.3922, 0.3052

Triad

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



27.5579, 0.3372, 0.2682



27.5579, 0.3898, 0.4257



27.5579, 0.2125, 0.2923

Complementary

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



27.5579, 0.3372, 0.2682



41.7099, 0.2948, 0.3990

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.



27.5579, 0.2367, 0.3482



27.5579, 0.3372, 0.2682



27.5579, 0.3379, 0.4329

Square

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



27.5579, 0.3372, 0.2682



27.5579, 0.4227, 0.3928



27.5579, 0.2818, 0.4037



27.5579, 0.2123, 0.2543

Rectangle

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



27.5579, 0.3372, 0.2682



27.5579, 0.4172, 0.3342



27.5579, 0.2818, 0.4037



27.5579, 0.2179, 0.3095

Sweetspot

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



27.5592, 0.3372, 0.2682



75.0790, 0.3187, 0.3116



23.4279, 0.2690, 0.2329



16.1403, 0.3196, 0.3091



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.5592, 0.3372, 0.2682



43.3373, 0.3443, 0.2551



26.5338, 0.3745, 0.3097



9.6467, 0.3182, 0.3130



8.4309, 0.4121, 0.2044



0.3412, 0.3854, 0.1897

Inverse Universe

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



27.5592, 0.3372, 0.2682



43.3373, 0.3443, 0.2551



42.7798, 0.2737, 0.3496



9.6467, 0.3182, 0.3130



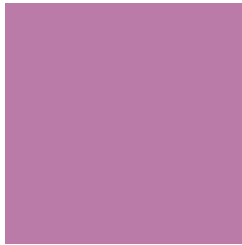
8.4309, 0.4121, 0.2044



0.3412, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 27.5579, 0.3372, 0.2682 looks on a white background.

Color Contrast Check

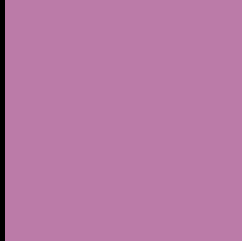
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5579, 0.3372, 0.2682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

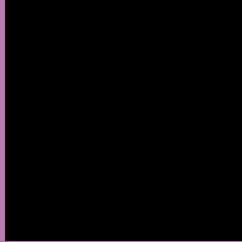
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5579, 0.3372, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 27.5579, 0.3372, 0.2682.



This preview shows how white text looks on a background with the Yxy color 27.5579, 0.3372, 0.2682.

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

27.5579, 0.3372, 0.2682

Protanopia

27.7505, 0.2698, 0.2689

Deuteranopia

27.6758, 0.2958, 0.2903



Tritanopia

27.6028, 0.3663, 0.3163

Trichromacy



Original Color

27.5579, 0.3372, 0.2682

Protanomaly

27.2348, 0.2916, 0.2680

Deuteranomaly

27.4848, 0.3106, 0.2817

Tritanomaly

27.5390, 0.3550, 0.2982

Monochromacy



Original Color

27.5579, 0.3372, 0.2682

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.2249, 0.3215, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5579, 0.3372, 0.2682 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(187, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(187, 123, 168)  
}
```

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(187, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 123, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.5579, 0.3372, 0.2682 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(187, 123, 168) }
```

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

```
.border{ border-color:rgb(187, 123, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 123, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 123, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 123, 168);  
box-shadow:4px 4px 4px 4px rgb(187, 123,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5579, 0.3372, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 123, 168) }
```

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

```
.background{ background-color: rgb(187,  
123, 168) }
```

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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