

Converting Colors

$Y_{xy}(33.2982, 0.2971, 0.2774)$

Have a look what the booklet for
Yxy(33.2982, 0.2971, 0.2774)
contains.

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Color

Yxy(33.3649, 0.2977, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	A895BA
RGB	168, 149, 186
RGB Percent	66%, 58%, 73%
CMY	0.3410, 0.4157, 0.2705
CMYK	0.10, 0.20, 0.00, 0.27
HSL	271°, 21%, 66%
HSV	271°, 20%, 73%
XYZ	35.7678, 33.3649, 51.0145
YIQ	158.8990, -0.5530, 15.5350

Conversions

Conversions Part 2

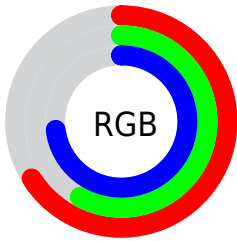
Format	Color
R _Y B	168, 149, 186
Decimal	11048378
CIE _{Lab}	64.46, 14.19, -16.62
CIE _{LCh}	64, 21.857, 310.497
Y _{xy}	33.3649, 0.2977, 0.2777
Android (android.graphics.Color)	4289238458 (0xFFA895BA)
YUV	158.8990, 13.3608, 7.9816
Hunter-Lab	57.7624, 9.4474, -11.9301

Details

The Yxy color **33.3649, 0.2977, 0.2777** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.5007, 0.3254, 0.3805**, and the grayscale version is **34.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8107, 0.3006, 0.2873**, and **14.1418, 0.2925, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **26.9873, 0.2883, 0.2494**, and if you desaturate by 10%, it is **40.7540, 0.3058, 0.3044**.

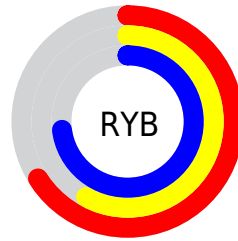
Distribution



Red (66%)

Green (58%)

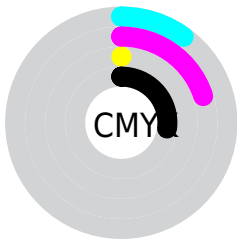
Blue (73%)



Red (66%)

Yellow (58%)

Blue (73%)

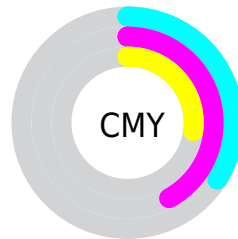


Cyan (10%)

Magenta (20%)

Yellow (0%)

Black (27%)



Cyan (34%)


Magenta (42%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3649, 0.2977, 0.2777 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 33.3649, 0.2977, 0.2777 by changing the saturation by 10% instead.


 33.3649, 0.2977,
0.2777


 33.3649, 0.2977,
0.2777


317.2908, 0.3059,
0.3039

 22.4061, 0.2954,
0.2710


 64.9448, 0.3008,
0.2873

 14.1556, 0.2924,
0.2624


 86.3347, 0.3020,
0.2909

 8.2290, 0.2881,
0.2507


111.9705, 0.3029,
0.2939

 4.2418, 0.2815,
0.2342

142.2365, 0.3037,
0.2965

 1.8097, 0.2707,
0.2093

177.5172, 0.3044,
0.2987

 0.4932, 0.2540,
0.1537

218.1968, 0.3049,

 0.0000, 0.0000,

0.3007

0.0000

264.6599, 0.3054,
0.3024

■ 33.3649, 0.2977,
0.2777

■ 33.3649, 0.2977,
0.2777

■ 26.9873, 0.2883,
0.2494

■ 40.7540, 0.3058,
0.3044

■ 21.5711, 0.2778,
0.2202

■ 49.1932, 0.3128,
0.3292

■ 17.0681, 0.2661,
0.1910

■ 58.7244, 0.3186,
0.3519

■ 13.4241, 0.2537,
0.1632

■ 69.3858, 0.3235,
0.3723

■ 10.5791, 0.2409,
0.1382

■ 81.2137, 0.3276,
0.3907

8.4649, 0.2282,
0.1173

90.6237, 0.3318,
0.4020

7.0014, 0.2163,
0.1016

92.0881, 0.3378,
0.4006

6.0300, 0.2053,
0.0905

93.6299, 0.3438,
0.3992

6.0215, 0.2052,
0.0904

95.2502, 0.3499,
0.3978

Harmonies

Analogous

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



33.3649, 0.2687, 0.2732



33.3649, 0.2977, 0.2777



33.3649, 0.3324, 0.2941

Triad

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



33.3649, 0.2977, 0.2777



33.3649, 0.3770, 0.3726



33.3649, 0.2642, 0.3367

Complementary

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



33.3649, 0.2977, 0.2777



45.5007, 0.3254, 0.3805

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.



33.3649, 0.2911, 0.3681



33.3649, 0.2977, 0.2777



33.3649, 0.3565, 0.3883

Square

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



33.3649, 0.2977, 0.2777



33.3649, 0.3796, 0.3471



33.3649, 0.3249, 0.3875



33.3649, 0.2502, 0.3050

Rectangle

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



33.3649, 0.2977, 0.2777



33.3649, 0.3539, 0.3100



33.3649, 0.3249, 0.3875



33.3649, 0.2719, 0.3478

Sweetspot

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



33.3663, 0.2977, 0.2777



79.4523, 0.3086, 0.3141



37.7538, 0.2817, 0.3025



17.2805, 0.3081, 0.3125



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.



33.3663, 0.2977, 0.2777



55.0567, 0.2936, 0.2651



35.4760, 0.3150, 0.2803



8.9408, 0.3063, 0.3059



4.0954, 0.2066, 0.0912



0.1811, 0.2350, 0.1068

Inverse Universe

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



34.7182, 0.3333, 0.3048



58.0172, 0.3391, 0.2990



43.6797, 0.3102, 0.3830



9.0828, 0.3214, 0.3180



7.5371, 0.4994, 0.2525



0.2782, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 33.3649, 0.2977, 0.2777 looks on a white background.

Color Contrast Check

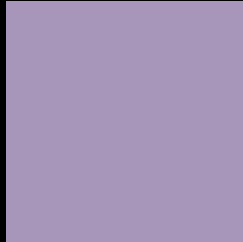
Large Text (above 18pt) WCAG AA × Fail

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 33.3649, 0.2977, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

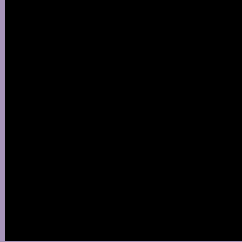
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3649, 0.2977, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 33.3649, 0.2977, 0.2777.



This preview shows how white text looks on a background with the Yxy color 33.3649, 0.2977, 0.2777.

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

33.3649, 0.2977, 0.2777

Protanopia

33.5500, 0.2775, 0.2787

Deuteranopia

33.4533, 0.2884, 0.2833



Tritanopia

33.4984, 0.3135, 0.3117

Trichromacy



Original Color

33.3649, 0.2977, 0.2777

Protanomaly

33.5245, 0.2843, 0.2779

Deuteranomaly

33.5363, 0.2920, 0.2824

Tritanomaly

33.5806, 0.3073, 0.2991

Monochromacy



Original Color

33.3649, 0.2977, 0.2777

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9886, 0.3069, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3649, 0.2977, 0.2777 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(168, 149, 186)` looks like.

```
.text, #text, p{  
    color:rgb(168, 149, 186)  
}
```

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(168, 149, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 149, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.3649, 0.2977, 0.2777 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(168, 149, 186) }
```

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

```
.border{ border-color:rgb(168, 149, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 149, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 149, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 149, 186);  
box-shadow:4px 4px 4px 4px rgb(168, 149,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3649, 0.2977, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 149, 186) }
```

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

```
.background{ background-color: rgb(168,  
149, 186) }
```

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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