

Converting Colors

$Y_{xy}(32.9527, 0.2986, 0.2727)$

Have a look what the booklet for
Yxy(32.9527, 0.2986, 0.2727)
contains.

Yxy(33.0443, 0.2978, 0.2727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0443, 0.2978, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	AA93BC
RGB	170, 147, 188
RGB Percent	67%, 58%, 74%
CMY	0.3334, 0.4235, 0.2628
CMYK	0.10, 0.22, 0.00, 0.26
HSL	274°, 23%, 66%
HSV	274°, 22%, 74%
XYZ	36.0858, 33.0443, 52.0445
YIQ	158.5510, 0.5470, 17.6270

Conversions

Conversions Part 2

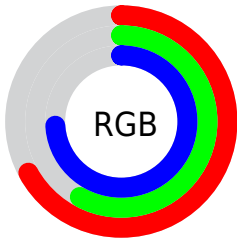
Format	Color
R _Y B	170, 147, 188
Decimal	11178940
CIE Lab	64.20, 16.37, -18.11
CIE LCh	64, 24.412, 312.127
Yxy	33.0443, 0.2978, 0.2727
Android (android.graphics.Color)	4289369020 (0xFFAA93BC)
YUV	158.5510, 14.5184, 10.0408
Hunter-Lab	57.4842, 11.4564, -13.4405

Details

The Yxy color **33.0443, 0.2978, 0.2727** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.0664, 0.3250, 0.3862**, and the grayscale version is **34.3881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4737, 0.3015, 0.2834**, and **13.8969, 0.2913, 0.2547** is the 20% darker color. If you saturate the color by 10%, you get **26.7776, 0.2892, 0.2445**, and if you desaturate by 10%, it is **40.3269, 0.3053, 0.2996**.

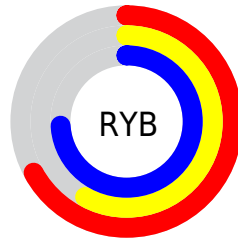
Distribution



Red (67%)

Green (58%)

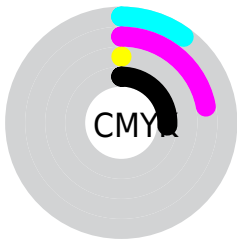
Blue (74%)



Red (67%)

Yellow (58%)

Blue (74%)

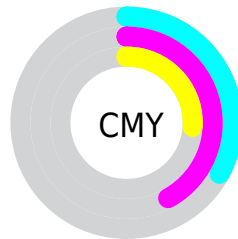


Cyan (10%)

Magenta (22%)

Yellow (0%)

Black (26%)



Cyan (33%)


Magenta (42%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0443, 0.2978, 0.2727 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 33.0443, 0.2978, 0.2727 by changing the saturation by 10% instead.

 33.0443, 0.2978,
0.2727


 33.0443, 0.2978,
0.2727


315.8493, 0.3060,
0.3013

 22.1604, 0.2955,
0.2654


 64.4447, 0.3010,
0.2832

 13.9748, 0.2924,
0.2560


 85.7299, 0.3021,
0.2871

 8.1031, 0.2880,
0.2434


111.2511, 0.3030,
0.2904

 4.1610, 0.2813,
0.2257

141.3926, 0.3038,
0.2932

 1.7640, 0.2701,
0.1991

176.5387, 0.3045,
0.2957

 0.4646, 0.2531,
0.1398

217.0740, 0.3051,

 0.0000, 0.0000,

0.2978

0.0000

263.3827, 0.3056,
0.2997

■ 33.0443, 0.2978,
0.2727

■ 33.0443, 0.2978,
0.2727

■ 26.7776, 0.2892,
0.2445

■ 40.3269, 0.3053,
0.2996

■ 21.4752, 0.2795,
0.2157

■ 48.6654, 0.3117,
0.3247

■ 17.0872, 0.2688,
0.1874

■ 58.1028, 0.3171,
0.3478

■ 13.5575, 0.2574,
0.1608

■ 68.6784, 0.3215,
0.3688

■ 10.8234, 0.2456,
0.1373

■ 80.4294, 0.3253,
0.3877

8.8135, 0.2340,
0.1181

90.2906, 0.3289,
0.4003

7.4428, 0.2230,
0.1040

91.6067, 0.3344,
0.3990

6.6606, 0.2146,
0.0956

92.9873, 0.3398,
0.3978

94.4332, 0.3454,
0.3966

Harmonies

Analogous

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



33.0443, 0.2650, 0.2667



33.0443, 0.2978, 0.2727



33.0443, 0.3367, 0.2915

Triad

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



33.0443, 0.2978, 0.2727



33.0443, 0.3839, 0.3787



33.0443, 0.2572, 0.3354

Complementary

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



33.0443, 0.2978, 0.2727



46.0664, 0.3250, 0.3862

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.



33.0443, 0.2865, 0.3714



33.0443, 0.2978, 0.2727



33.0443, 0.3598, 0.3960

Square

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



33.0443, 0.2978, 0.2727



33.0443, 0.3882, 0.3504



33.0443, 0.3240, 0.3943



33.0443, 0.2427, 0.3001

Rectangle

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



33.0443, 0.2978, 0.2727



33.0443, 0.3606, 0.3092



33.0443, 0.3240, 0.3943



33.0443, 0.2656, 0.3480

Sweetspot

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



33.0457, 0.2978, 0.2727



79.9346, 0.3084, 0.3116



36.9063, 0.2785, 0.2966



16.9967, 0.3080, 0.3101



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.



33.0457, 0.2978, 0.2727



54.4193, 0.2940, 0.2598



35.1021, 0.3171, 0.2781



9.4821, 0.3069, 0.3059



4.5803, 0.2158, 0.0963



0.2175, 0.2406, 0.1099

Inverse Universe

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



34.2763, 0.3376, 0.3048



57.0944, 0.3443, 0.2994



44.3358, 0.3084, 0.3858



9.6041, 0.3221, 0.3190



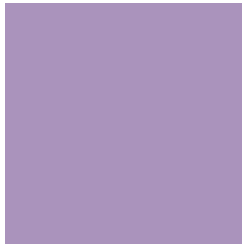
7.7141, 0.5189, 0.2632



0.3153, 0.4597, 0.2306

Previews

White Background



This preview shows how the Yxy color 33.0443, 0.2978, 0.2727 looks on a white background.

Color Contrast Check

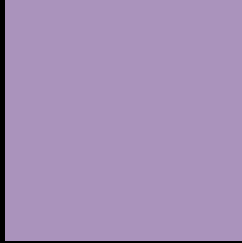
Large Text (above 18pt) WCAG AA × Fail

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 33.0443, 0.2978, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

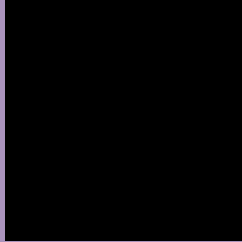
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0443, 0.2978, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 33.0443, 0.2978, 0.2727.



This preview shows how white text looks on a background with the Yxy color 33.0443, 0.2978, 0.2727.

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

33.0443, 0.2978, 0.2727

Protanopia

33.1645, 0.2734, 0.2730

Deuteranopia

33.0129, 0.2849, 0.2790



Tritanopia

32.8846, 0.3165, 0.3116

Trichromacy



Original Color

33.0443, 0.2978, 0.2727

Protanomaly

32.8634, 0.2816, 0.2723

Deuteranomaly

32.8741, 0.2893, 0.2767

Tritanomaly

33.0067, 0.3092, 0.2977

Monochromacy



Original Color

33.0443, 0.2978, 0.2727

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1315, 0.3069, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0443, 0.2978, 0.2727 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, 147, 188)` looks like.

```
.text, #text, p{  
    color:rgb(170, 147, 188)  
}
```

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, 147, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 147, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.0443, 0.2978, 0.2727 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, 147, 188) }
```

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

```
.border{ border-color:rgb(170, 147, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 147, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 147, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 147, 188);  
box-shadow:4px 4px 4px 4px rgb(170, 147,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0443, 0.2978, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 147, 188) }
```

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

```
.background{ background-color: rgb(170,  
147, 188) }
```

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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