

Converting Colors

$Y_{xy}(33.4887, 0.2966, 0.2579)$

Have a look what the booklet for
Yxy(33.4887, 0.2966, 0.2579)
contains.

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Color

Yxy(33.4887, 0.2966, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	B290C6
RGB	178, 144, 198
RGB Percent	70%, 56%, 78%
CMY	0.3022, 0.4352, 0.2236
CMYK	0.10, 0.27, 0.00, 0.22
HSL	278°, 32%, 67%
HSV	278°, 27%, 78%
XYZ	38.5140, 33.4887, 57.8488
YIQ	160.3220, 2.9300, 24.0020

Conversions

Conversions Part 2

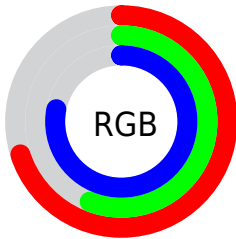
Format	Color
R _Y B	178, 144, 198
Decimal	11702470
CIE Lab	64.55, 22.78, -23.10
CIE LCh	65, 32.439, 314.600
Yxy	33.4887, 0.2966, 0.2579
Android (android.graphics.Color)	4289892550 (0xFFB290C6)
YUV	160.3220, 18.5753, 15.5036
Hunter-Lab	57.8694, 17.5260, -18.7603

Details

The Yxy color **33.4887, 0.2966, 0.2579** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.2950, 0.3249, 0.4030**, and the grayscale version is **35.2202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1006, 0.2999, 0.2705**, and **14.2023, 0.2910, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **27.1614, 0.2889, 0.2299**, and if you desaturate by 10%, it is **40.9172, 0.3033, 0.2852**.

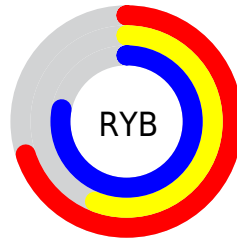
Distribution



Red (70%)

Green (56%)

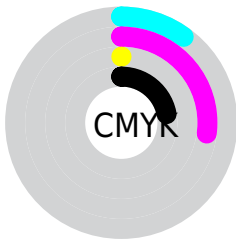
Blue (78%)



Red (70%)

Yellow (56%)

Blue (78%)

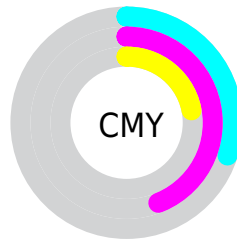


Cyan (10%)

Magenta (27%)

Yellow (0%)

Black (22%)



Cyan (30%)


Magenta (44%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4887, 0.2966, 0.2579 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 33.4887, 0.2966, 0.2579 by changing the saturation by 10% instead.


 33.4887, 0.2966,
0.2579


 33.4887, 0.2966,
0.2579


317.8461, 0.3057,
0.2935

 22.5011, 0.2940,
0.2491


 65.1378, 0.3001,
0.2708

 14.2256, 0.2905,
0.2378


 86.5680, 0.3014,
0.2756

 8.2777, 0.2856,
0.2230


112.2479, 0.3024,
0.2797

 4.2732, 0.2781,
0.2026

142.5618, 0.3033,
0.2833

 1.8275, 0.2656,
0.1732

177.8943, 0.3040,
0.2863

 0.5042, 0.2452,
0.1177

218.6295, 0.3046,

 0.0000, 0.0000,

0.2890

0.0000

265.1520, 0.3052,
0.2914

■ 33.4887, 0.2966,
0.2579

■ 33.4887, 0.2966,
0.2579

■ 27.1614, 0.2889,
0.2299

■ 40.9172, 0.3033,
0.2852

■ 21.8754, 0.2802,
0.2021

■ 49.4943, 0.3091,
0.3112

■ 17.5716, 0.2708,
0.1756

■ 59.2697, 0.3140,
0.3355

■ 14.1827, 0.2609,
0.1518

■ 70.2889, 0.3180,
0.3578

■ 11.6332, 0.2509,
0.1318

■ 82.5949, 0.3213,
0.3781

■ 9.8345, 0.2410,
0.1165

■ 91.1371, 0.3249,
0.3891

■ 8.6646, 0.2317,
0.1061

■ 92.3245, 0.3297,
0.3882

■ 8.3935, 0.2292,
0.1036

■ 93.5632, 0.3345,
0.3873

■ 94.8539, 0.3393,
0.3864

Harmonies

Analogous

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



33.4887, 0.2532, 0.2484



33.4887, 0.2966, 0.2579



33.4887, 0.3482, 0.2829

Triad

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



33.4887, 0.2966, 0.2579



33.4887, 0.4044, 0.3953



33.4887, 0.2378, 0.3325

Complementary

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



33.4887, 0.2966, 0.2579



50.2950, 0.3249, 0.4030

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.



33.4887, 0.2739, 0.3825



33.4887, 0.2966, 0.2579



33.4887, 0.3703, 0.4185

Square

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



33.4887, 0.2966, 0.2579



33.4887, 0.4134, 0.3585



33.4887, 0.3222, 0.4156



33.4887, 0.2215, 0.2865

Rectangle

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



33.4887, 0.2966, 0.2579



33.4887, 0.3796, 0.3058



33.4887, 0.3222, 0.4156



33.4887, 0.2479, 0.3496

Sweetspot

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



33.4901, 0.2966, 0.2579



86.2587, 0.3086, 0.3090



36.8151, 0.2688, 0.2819



17.9434, 0.3078, 0.3051



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.4901, 0.2966, 0.2579



52.0945, 0.2919, 0.2404



35.7513, 0.3218, 0.2692



10.6121, 0.3080, 0.3058



5.5097, 0.2303, 0.1043



0.3011, 0.2494, 0.1147

Inverse Universe

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



34.6424, 0.3495, 0.3030



54.5988, 0.3611, 0.2967



48.5246, 0.3048, 0.3973



10.7010, 0.3232, 0.3204



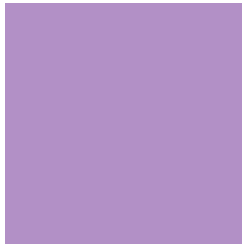
8.1406, 0.5470, 0.2787



0.3994, 0.4898, 0.2472

Previews

White Background



This preview shows how the Yxy color 33.4887, 0.2966, 0.2579 looks on a white background.

Color Contrast Check

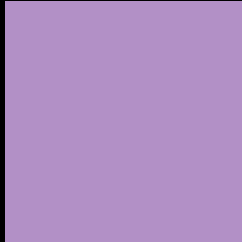
Large Text (above 18pt) WCAG AA × Fail

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 33.4887, 0.2966, 0.2579 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 33.4887, 0.2966, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 33.4887, 0.2966, 0.2579.



This preview shows how white text looks on a background with the Yxy color 33.4887, 0.2966, 0.2579.

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

33.4887, 0.2966, 0.2579

Protanopia

33.7386, 0.2609, 0.2575

Deuteranopia

33.7721, 0.2754, 0.2698



Tritanopia

33.5482, 0.3226, 0.3120

Trichromacy



Original Color

33.4887, 0.2966, 0.2579

Protanomaly

33.5129, 0.2732, 0.2575

Deuteranomaly

33.4210, 0.2821, 0.2642

Tritanomaly

33.3131, 0.3125, 0.2902

Monochromacy



Original Color

33.4887, 0.2966, 0.2579

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.3827, 0.3072, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4887, 0.2966, 0.2579 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(178, 144, 198)` looks like.

```
.text, #text, p{  
    color:rgb(178, 144, 198)  
}
```

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(178, 144, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 144, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.4887, 0.2966, 0.2579 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(178, 144, 198) }
```

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

```
.border{ border-color:rgb(178, 144, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 144, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 144, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 144, 198);  
box-shadow:4px 4px 4px 4px rgb(178, 144,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4887, 0.2966, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 144, 198) }
```

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

```
.background{ background-color: rgb(178,  
144, 198) }
```

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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