

Converting Colors

$Y_{xy}(33.5849, 0.3075, 0.2716)$

Have a look what the booklet for
Yxy(33.5849, 0.3075, 0.2716)
contains.

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Color

Yxy(33.5849, 0.3075, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	B491BC
RGB	180, 145, 188
RGB Percent	71%, 57%, 74%
CMY	0.2941, 0.4314, 0.2628
CMYK	0.04, 0.23, 0.00, 0.26
HSL	289°, 24%, 65%
HSV	289°, 23%, 74%
XYZ	38.0241, 33.5849, 52.0467
YIQ	160.3670, 7.0570, 20.7930

Conversions

Conversions Part 2

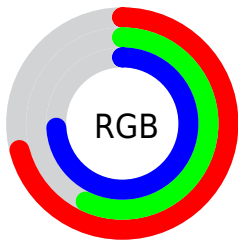
Format	Color
R _Y B	180, 145, 188
Decimal	11833788
CIE Lab	64.63, 20.87, -17.36
CIE LCh	65, 27.145, 320.250
Yxy	33.5849, 0.3075, 0.2716
Android (android.graphics.Color)	4290023868 (0xFFB491BC)
YUV	160.3670, 13.6231, 17.2181
Hunter-Lab	57.9525, 15.7017, -12.6812

Details

The Yxy color **33.5849, 0.3075, 0.2716** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.7756, 0.3163, 0.3910**, and the grayscale version is **35.2662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2114, 0.3089, 0.2823**, and **14.2667, 0.3049, 0.2540** is the 20% darker color. If you saturate the color by 10%, you get **27.8949, 0.3044, 0.2455**, and if you desaturate by 10%, it is **40.2389, 0.3101, 0.2973**.

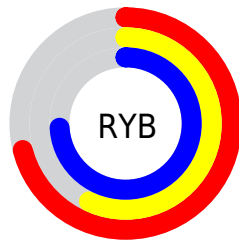
Distribution



Red (71%)

Green (57%)

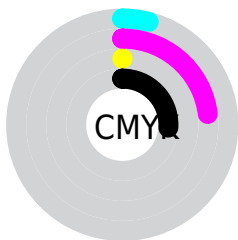
Blue (74%)



Red (71%)

Yellow (57%)

Blue (74%)

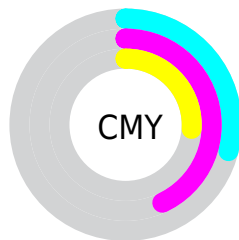


Cyan (4%)

Magenta (23%)

Yellow (0%)

Black (26%)



Cyan (29%)


Magenta (43%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5849, 0.3075, 0.2716 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 33.5849, 0.3075, 0.2716 by changing the saturation by 10% instead.


 33.5849, 0.3075,
0.2716

 33.5849, 0.3075,
0.2716


318.2771, 0.3107,
0.3006

 22.5749, 0.3065,
0.2643


 65.2876, 0.3088,
0.2822

 14.2799, 0.3051,
0.2549


 86.7491, 0.3093,
0.2861

 8.3156, 0.3030,
0.2424


112.4633, 0.3096,
0.2895

 4.2976, 0.2996,
0.2248

142.8144, 0.3099,
0.2923

 1.8414, 0.2935,
0.1988

178.1870, 0.3102,
0.2948

 0.5128, 0.2845,
0.1450

218.9654, 0.3104,

 0.0000, 0.0000,

0.2970

0.0000

265.5340, 0.3106,
0.2989

■ 33.5849, 0.3075,
0.2716

■ 33.5849, 0.3075,
0.2716

■ 27.8949, 0.3044,
0.2455

■ 40.2389, 0.3101,
0.2973

■ 23.1178, 0.3008,
0.2200

■ 47.8962, 0.3122,
0.3221

■ 19.2042, 0.2967,
0.1959

■ 56.5990, 0.3139,
0.3456

■ 16.0985, 0.2923,
0.1743

■ 66.3861, 0.3152,
0.3673

■ 13.7383, 0.2875,
0.1563

■ 77.2939, 0.3162,
0.3874

■ 12.0520, 0.2826,
0.1425

■ 87.5605, 0.3171,
0.4029

■ 10.9540, 0.2777,
0.1331

■ 88.0496, 0.3193,
0.4024

■ 10.4103, 0.2743,
0.1285

■ 88.5498, 0.3215,
0.4019

■ 89.0611, 0.3237,
0.4014

Harmonies

Analogous

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



33.5849, 0.2686, 0.2609



33.5849, 0.3075, 0.2716



33.5849, 0.3505, 0.2952

Triad

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



33.5849, 0.3075, 0.2716



33.5849, 0.3859, 0.3903



33.5849, 0.2455, 0.3245

Complementary

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



33.5849, 0.3075, 0.2716



44.7756, 0.3163, 0.3910

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.



33.5849, 0.2736, 0.3661



33.5849, 0.3075, 0.2716



33.5849, 0.3546, 0.4051

Square

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



33.5849, 0.3075, 0.2716



33.5849, 0.3974, 0.3612



33.5849, 0.3133, 0.3970



33.5849, 0.2348, 0.2881

Rectangle

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



33.5849, 0.3075, 0.2716



33.5849, 0.3749, 0.3158



33.5849, 0.3133, 0.3970



33.5849, 0.2531, 0.3385

Sweetspot

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



33.5863, 0.3075, 0.2716



80.6922, 0.3114, 0.3118



32.6301, 0.2755, 0.2788



17.1728, 0.3112, 0.3103



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.



33.5863, 0.3075, 0.2716



55.9462, 0.3061, 0.2597



34.0405, 0.3278, 0.2890



9.6043, 0.3109, 0.3062



7.1192, 0.2749, 0.1288



0.3025, 0.2865, 0.1352

Inverse Universe

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



33.2412, 0.3504, 0.3182



55.2588, 0.3604, 0.3159



44.4456, 0.3004, 0.3727



9.5645, 0.3260, 0.3248



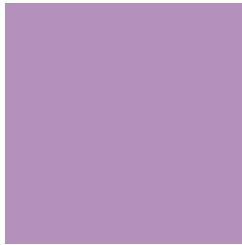
7.3697, 0.6087, 0.3127



0.2976, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 33.5849, 0.3075, 0.2716 looks on a white background.

Color Contrast Check

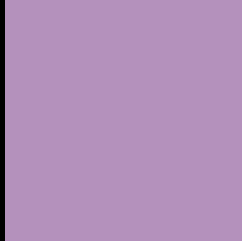
Large Text (above 18pt) WCAG AA × Fail

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 33.5849, 0.3075, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

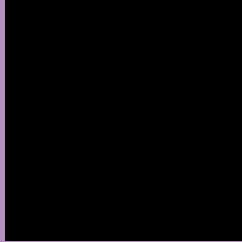
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5849, 0.3075, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 33.5849, 0.3075, 0.2716.



This preview shows how white text looks on a background with the Yxy color 33.5849, 0.3075, 0.2716.

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

33.5849, 0.3075, 0.2716

Protanopia

33.5859, 0.2720, 0.2719

Deuteranopia

33.5967, 0.2885, 0.2821



Tritanopia

33.6514, 0.3278, 0.3122

Trichromacy



Original Color

33.5849, 0.3075, 0.2716

Protanomaly

33.3099, 0.2844, 0.2716

Deuteranomaly

33.5075, 0.2949, 0.2776

Tritanomaly

33.4672, 0.3203, 0.2972

Monochromacy



Original Color

33.5849, 0.3075, 0.2716

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5605, 0.3108, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5849, 0.3075, 0.2716 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(180, 145, 188)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 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(180, 145, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.5849, 0.3075, 0.2716 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(180, 145, 188) }
```

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

```
.border{ border-color:rgb(180, 145, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 188);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5849, 0.3075, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 188) }
```

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

```
.background{ background-color: rgb(180,  
145, 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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