

Converting Colors

Yxy(33.4968, 0.3155, 0.2700)

Have a look what the booklet for
Yxy(33.4968, 0.3155, 0.2700)
contains.

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Color

Yxy(33.4987, 0.3155, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	BB8EBB
RGB	187, 142, 187
RGB Percent	73%, 56%, 73%
CMY	0.2665, 0.4432, 0.2666
CMYK	0.00, 0.24, 0.00, 0.27
HSL	300°, 25%, 65%
HSV	300°, 24%, 73%
XYZ	39.1439, 33.4987, 51.4267
YIQ	160.5850, 12.3750, 23.5350

Conversions

Conversions Part 2

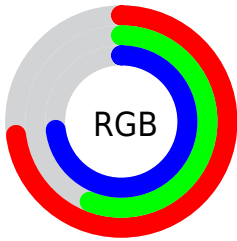
Format	Color
RYB	187, 142, 187
Decimal	12291771
CIELab	64.56, 24.75, -16.85
CIELCh	65, 29.942, 325.747
Yxy	33.4987, 0.3155, 0.2700
Android (android.graphics.Color)	4290481851 (0xFFBB8EBB)
YUV	160.5850, 13.0226, 23.1660
Hunter-Lab	57.8781, 19.4358, -12.1666

Details

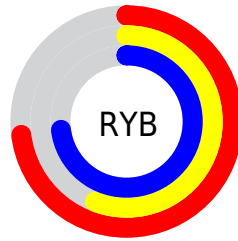
The Yxy color **33.4987, 0.3155, 0.2700** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.2582, 0.3096, 0.3960**, and the grayscale version is **35.3744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1840, 0.3157, 0.2811**, and **14.1899, 0.3149, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **28.3941, 0.3166, 0.2457**, and if you desaturate by 10%, it is **39.5400, 0.3143, 0.2948**.

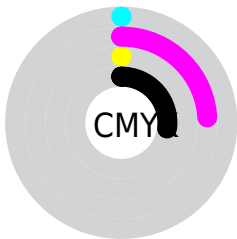
Distribution



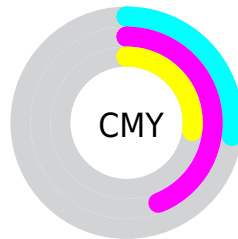
- Red (73%)
- Green (56%)
- Blue (73%)



- Red (73%)
- Yellow (56%)
- Blue (73%)



- Cyan (0%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4987, 0.3155, 0.2700 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 33.4987, 0.3155, 0.2700 by changing the saturation by 10% instead.


 33.4987, 0.3155,
0.2700

 33.4987, 0.3155,
0.2700


317.8909, 0.3146,
0.2997


 22.5088, 0.3156,
0.2626


 65.1533, 0.3153,
0.2808

 14.2312, 0.3155,
0.2530


 86.5868, 0.3152,
0.2849

 8.2816, 0.3153,
0.2402


 112.2703, 0.3151,
0.2883

 4.2757, 0.3146,
0.2225

142.5881, 0.3150,
0.2912

 1.8289, 0.3126,
0.1962

177.9247, 0.3149,
0.2938

 0.5051, 0.3112,
0.1418

218.6644, 0.3148,

 0.0000, 0.0577,

0.2960

0.0000

265.1917, 0.3147,
0.2980

0.0000, 0.0000,
0.0000

33.4987, 0.3155,
0.2700

33.4987, 0.3155,
0.2700

28.3941, 0.3166,
0.2457

39.5400, 0.3143,
0.2948

24.1752, 0.3177,
0.2228

46.5570, 0.3132,
0.3192

20.7930, 0.3187,
0.2021

54.5917, 0.3121,
0.3428

18.1917, 0.3195,
0.1846

63.6824, 0.3110,
0.3652

16.3090, 0.3202,
0.1710

73.8655, 0.3100,
0.3860

■ 15.0730, 0.3206,
0.1615

■ 85.1756, 0.3091,
0.4052

■ 14.3967, 0.3209,
0.1561

■ 85.6798, 0.3091,
0.4059

■ 14.1557, 0.3210,
0.1542

■ 85.6801, 0.3091,
0.4059

■ 85.6804, 0.3091,
0.4059

Harmonies

Analogous

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



33.4987, 0.2711, 0.2554



33.4987, 0.3155, 0.2700



33.4987, 0.3624, 0.2977

Triad

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



33.4987, 0.3155, 0.2700



33.4987, 0.3882, 0.4007



33.4987, 0.2353, 0.3155

Complementary

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



33.4987, 0.3155, 0.2700



43.2582, 0.3096, 0.3960

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.



33.4987, 0.2627, 0.3619



33.4987, 0.3155, 0.2700



33.4987, 0.3506, 0.4137

Square

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



33.4987, 0.3155, 0.2700



33.4987, 0.4058, 0.3704



33.4987, 0.3046, 0.4000



33.4987, 0.2275, 0.2778

Rectangle

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



33.4987, 0.3155, 0.2700



33.4987, 0.3874, 0.3209



33.4987, 0.3046, 0.4000



33.4987, 0.2424, 0.3307

Sweetspot

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



33.5002, 0.3155, 0.2700



79.3557, 0.3135, 0.3119



28.6813, 0.2722, 0.2620



17.3048, 0.3136, 0.3104



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.



33.5002, 0.3155, 0.2700



54.8500, 0.3161, 0.2568



32.6103, 0.3380, 0.2985



9.6962, 0.3138, 0.3064



9.7494, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Inverse Universe

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



33.5002, 0.3155, 0.2700



54.8500, 0.3161, 0.2568



44.0040, 0.2933, 0.3617



9.6962, 0.3138, 0.3064



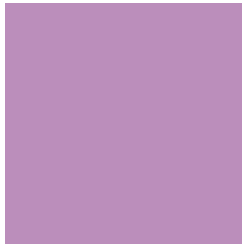
9.7494, 0.3210, 0.1542



0.3819, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.4987, 0.3155, 0.2700 looks on a white background.

Color Contrast Check

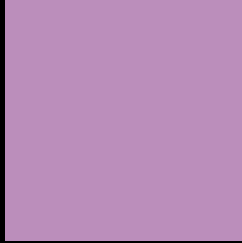
Large Text (above 18pt) WCAG AA × Fail

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 33.4987, 0.3155, 0.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

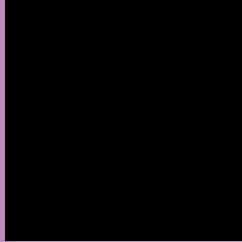
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4987, 0.3155, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 33.4987, 0.3155, 0.2700.



This preview shows how white text looks on a background with the Yxy color 33.4987, 0.3155, 0.2700.

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

33.4987, 0.3155, 0.2700

Protanopia

33.6313, 0.2713, 0.2706

Deuteranopia

33.5543, 0.2893, 0.2835



Tritanopia

33.4379, 0.3385, 0.3125

Trichromacy



Original Color

33.4987, 0.3155, 0.2700

Protanomaly

33.3443, 0.2862, 0.2693

Deuteranomaly

33.4751, 0.2986, 0.2779

Tritanomaly

33.3057, 0.3297, 0.2964

Monochromacy



Original Color

33.4987, 0.3155, 0.2700

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5595, 0.3138, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4987, 0.3155, 0.2700 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, 142, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 142, 187)  
}
```

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, 142, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 142, 187) }
```

Border

The CSS property to change the border of an element to Yxy 33.4987, 0.3155, 0.2700 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, 142, 187) }
```

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

```
.border{ border-color:rgb(187, 142, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 142, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 142, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 142, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 142,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4987, 0.3155, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 142, 187) }
```

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

```
.background{ background-color: rgb(187,  
142, 187) }
```

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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