

Converting Colors

$Y_{xy}(33.1566, 0.3227, 0.2794)$

Have a look what the booklet for
Yxy(33.1566, 0.3227, 0.2794)
contains.

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Color

Yxy(33.1655, 0.3232, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	BB8EB3
RGB	187, 142, 179
RGB Percent	73%, 56%, 70%
CMY	0.2668, 0.4431, 0.2981
CMYK	0.00, 0.24, 0.04, 0.27
HSL	311°, 25%, 65%
HSV	311°, 24%, 73%
XYZ	38.2961, 33.1655, 47.0289
YIQ	159.6730, 14.9430, 21.0470

Conversions

Conversions Part 2

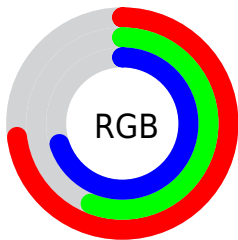
Format	Color
R _Y B	187, 142, 179
Decimal	12291763
CIE Lab	64.29, 23.20, -12.74
CIE LCh	64, 26.468, 331.222
Yxy	33.1655, 0.3232, 0.2799
Android (android.graphics.Color)	4290481843 (0xFFBB8EB3)
YUV	159.6730, 9.5282, 23.9658
Hunter-Lab	57.5895, 17.9182, -8.1049

Details

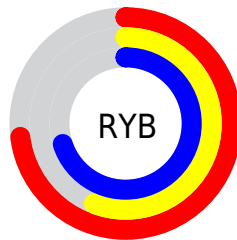
The Yxy color **33.1655, 0.3232, 0.2799** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4795, 0.3038, 0.3836**, and the grayscale version is **34.9457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7111, 0.3216, 0.2888**, and **13.9751, 0.3261, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **27.9288, 0.3286, 0.2591**, and if you desaturate by 10%, it is **39.3415, 0.3184, 0.3007**.

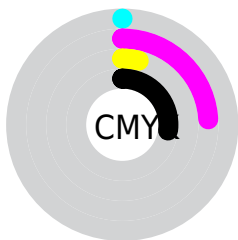
Distribution



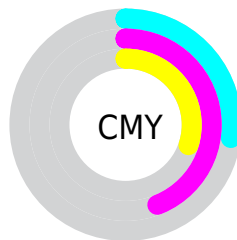
- Red (73%)
- Green (56%)
- Blue (70%)



- Red (73%)
- Yellow (56%)
- Blue (70%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1655, 0.3232, 0.2799 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 33.1655, 0.3232, 0.2799 by changing the saturation by 10% instead.


 33.1655, 0.3232,
0.2799


 33.1655, 0.3232,
0.2799

316.3948, 0.3181,
0.3049


 22.2533, 0.3244,
0.2736


 64.6338, 0.3214,
0.2891

 14.0431, 0.3259,
0.2653


 85.9587, 0.3207,
0.2925

 8.1507, 0.3279,
0.2543


 111.5233, 0.3201,
0.2953

 4.1915, 0.3305,
0.2387

141.7119, 0.3196,
0.2978

 1.7813, 0.3340,
0.2151

176.9089, 0.3191,
0.2999

 0.4754, 0.3452,
0.1592

217.4988, 0.3188,

 0.0000, 0.0000,

0.3018

0.0000

263.8660, 0.3184,
0.3034

■ 33.1655, 0.3232,
0.2799

■ 33.1655, 0.3232,
0.2799

■ 27.9288, 0.3286,
0.2591

■ 39.3415, 0.3184,
0.3007

■ 23.5805, 0.3345,
0.2392

■ 46.4957, 0.3142,
0.3210

■ 20.0715, 0.3409,
0.2209

■ 54.6702, 0.3106,
0.3404

■ 17.3462, 0.3477,
0.2054

■ 63.9032, 0.3075,
0.3587

■ 15.3423, 0.3545,
0.1934

■ 74.2310, 0.3049,
0.3757

■ 13.9879, 0.3613,
0.1857

■ 85.6883, 0.3027,
0.3913

■ 13.1964, 0.3678,
0.1825

■ 86.3538, 0.3009,
0.3882

■ 12.8874, 0.3716,
0.1821

■ 86.5127, 0.2991,
0.3844

■ 86.6750, 0.2974,
0.3805

Harmonies

Analogous

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



33.1655, 0.2823, 0.2643



33.1655, 0.3232, 0.2799



33.1655, 0.3635, 0.3066

Triad

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



33.1655, 0.3232, 0.2799



33.1655, 0.3750, 0.3965



33.1655, 0.2408, 0.3104

Complementary

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



33.1655, 0.3232, 0.2799



43.4795, 0.3038, 0.3836

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.



33.1655, 0.2626, 0.3508



33.1655, 0.3232, 0.2799



33.1655, 0.3396, 0.4034

Square

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



33.1655, 0.3232, 0.2799



33.1655, 0.3942, 0.3721



33.1655, 0.2984, 0.3866



33.1655, 0.2371, 0.2791

Rectangle

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



33.1655, 0.3232, 0.2799



33.1655, 0.3836, 0.3282



33.1655, 0.2984, 0.3866



33.1655, 0.2462, 0.3234

Sweetspot

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



33.1670, 0.3232, 0.2799



79.1767, 0.3155, 0.3149



29.3762, 0.2791, 0.2634



17.2621, 0.3157, 0.3137



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.



33.1670, 0.3232, 0.2799



54.1274, 0.3260, 0.2686



32.3468, 0.3458, 0.3086



9.6665, 0.3164, 0.3103



8.8929, 0.3709, 0.1817



0.3561, 0.3569, 0.1740

Inverse Universe

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



33.1670, 0.3232, 0.2799



54.1274, 0.3260, 0.2686



44.2558, 0.2880, 0.3505



9.6665, 0.3164, 0.3103



8.8929, 0.3709, 0.1817



0.3561, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 33.1655, 0.3232, 0.2799 looks on a white background.

Color Contrast Check

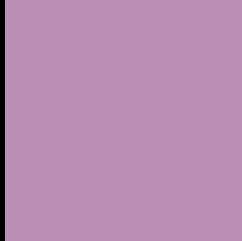
Large Text (above 18pt) WCAG AA × Fail

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 33.1655, 0.3232, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

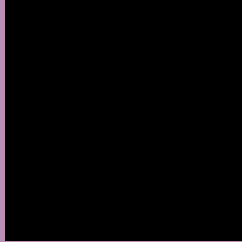
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1655, 0.3232, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 33.1655, 0.3232, 0.2799.



This preview shows how white text looks on a background with the Yxy color 33.1655, 0.3232, 0.2799.

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

33.1655, 0.3232, 0.2799

Protanopia

33.4201, 0.2798, 0.2827

Deuteranopia

33.2079, 0.2989, 0.2931



Tritanopia

33.1824, 0.3418, 0.3139

Trichromacy



Original Color

33.1655, 0.3232, 0.2799

Protanomaly

33.0599, 0.2947, 0.2811

Deuteranomaly

32.9402, 0.3067, 0.2870

Tritanomaly

33.2817, 0.3348, 0.3018

Monochromacy



Original Color

33.1655, 0.3232, 0.2799

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1185, 0.3166, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1655, 0.3232, 0.2799 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(187, 142, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 142, 179) }
```

Border

The CSS property to change the border of an element to Yxy 33.1655, 0.3232, 0.2799 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, 179) }
```

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

```
.border{ border-color:rgb(187, 142, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 142, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 142, 179);  
box-shadow:4px 4px 4px 4px rgb(187, 142,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1655, 0.3232, 0.2799 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, 179) }
```

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

```
.background{ background-color: rgb(187,  
142, 179) }
```

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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