

Converting Colors

$Y_{xy}(33.1705, 0.2835, 0.2252)$

Have a look what the booklet for
Yxy(33.1705, 0.2835, 0.2252)
contains.

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Color

Yxy(33.1431, 0.2836, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	B988DD
RGB	185, 136, 221
RGB Percent	73%, 53%, 87%
CMY	0.2745, 0.4667, 0.1332
CMYK	0.16, 0.38, 0.00, 0.13
HSL	275°, 56%, 70%
HSV	275°, 38%, 87%
XYZ	41.8681, 33.1431, 72.6196
YIQ	160.3410, 1.9190, 36.8230

Conversions

Conversions Part 2

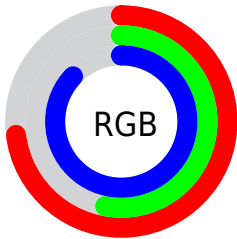
Format	Color
RYB	185, 136, 221
Decimal	12159197
CIELab	64.28, 34.42, -36.33
CIELCh	64, 50.047, 313.450
Yxy	33.1431, 0.2836, 0.2245
Android (android.graphics.Color)	4290349277 (0xFFB988DD)
YUV	160.3410, 29.9049, 21.6259
Hunter-Lab	57.5700, 29.0674, -34.4901

Details

The Yxy color **33.1431, 0.2836, 0.2245** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.2799, 0.3323, 0.4373**, and the grayscale version is **35.1791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9242, 0.3059, 0.2634**, and **13.9960, 0.2720, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **26.4214, 0.2734, 0.1959**, and if you desaturate by 10%, it is **41.2279, 0.2927, 0.2533**.

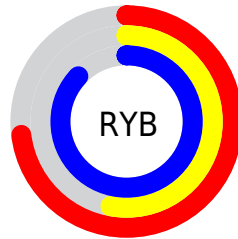
Distribution



Red (73%)

Green (53%)

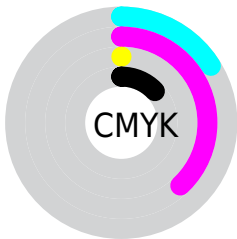
Blue (87%)



Red (73%)

Yellow (53%)

Blue (87%)

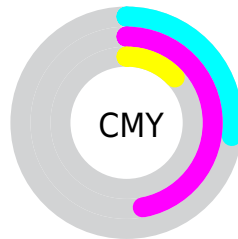


Cyan (16%)

Magenta (38%)

Yellow (0%)

Black (13%)



Cyan (27%)


Magenta (47%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1431, 0.2836, 0.2245 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 33.1431, 0.2836, 0.2245 by changing the saturation by 10% instead.


 33.1431, 0.2836,
0.2245


 33.1431, 0.2836,
0.2245


316.2941, 0.3000,
0.2750

 22.2361, 0.2791,
0.2126


 64.5989, 0.2899,
0.2424

 14.0305, 0.2730,
0.1977


 85.9164, 0.2922,
0.2492

 8.1419, 0.2645,
0.1789


 111.4730, 0.2940,
0.2551

 4.1859, 0.2522,
0.1542

141.6529, 0.2956,
0.2602

 1.7781, 0.2331,
0.1215

176.8405, 0.2969,
0.2646

 0.4734, 0.2027,
0.0698

217.4204, 0.2981,

 0.0000, 0.0997,

0.2685

0.0000

263.7767, 0.2991,
0.2720

0.0000, 0.0000,
0.0000

33.1431, 0.2836,
0.2245

33.1431, 0.2836,
0.2245

26.4214, 0.2734,
0.1959

41.2279, 0.2927,
0.2533

20.9777, 0.2625,
0.1687

50.7458, 0.3008,
0.2814

16.7236, 0.2511,
0.1442


61.7667, 0.3077,
0.3079

13.5571, 0.2396,
0.1239


74.3550, 0.3135,
0.3326


11.3584, 0.2287,
0.1085

88.5708, 0.3184,
0.3553

 9.9498, 0.2185,
0.0983

 95.4759, 0.3238,
0.3630

 9.7656, 0.2170,
0.0969

 97.1678, 0.3298,
0.3624

 98.0022, 0.3327,
0.3621

Harmonies

Analogous

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



33.1431, 0.2215, 0.2110



33.1431, 0.2836, 0.2245



33.1431, 0.3631, 0.2588

Triad

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



33.1431, 0.2836, 0.2245



33.1431, 0.4514, 0.4208



33.1431, 0.2017, 0.3344

Complementary

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



33.1431, 0.2836, 0.2245



62.2799, 0.3323, 0.4373

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.



33.1431, 0.2538, 0.4178



33.1431, 0.2836, 0.2245



33.1431, 0.3981, 0.4642

Square

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



33.1431, 0.2836, 0.2245



33.1431, 0.4673, 0.3644



33.1431, 0.3257, 0.4693



33.1431, 0.1793, 0.2631

Rectangle

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



33.1431, 0.2836, 0.2245



33.1431, 0.4136, 0.2904



33.1431, 0.3257, 0.4693



33.1431, 0.2160, 0.3627

Sweetspot

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



33.1445, 0.2836, 0.2245



79.6306, 0.3053, 0.2985



40.2832, 0.2498, 0.2640



16.6106, 0.3044, 0.2950



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.



33.1445, 0.2836, 0.2245



38.3349, 0.2757, 0.2018



37.9088, 0.3224, 0.2399



12.9859, 0.3071, 0.3055



5.7392, 0.2184, 0.0977



0.4222, 0.2347, 0.1067

Inverse Universe

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



35.9629, 0.3669, 0.2863



42.9554, 0.3834, 0.2778



58.9068, 0.3040, 0.4381



13.1426, 0.3226, 0.3191



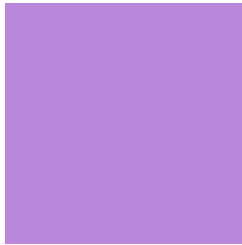
9.4169, 0.5270, 0.2677



0.6271, 0.4854, 0.2447

Previews

White Background



This preview shows how the Yxy color 33.1431, 0.2836, 0.2245 looks on a white background.

Color Contrast Check

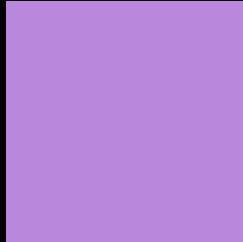
Large Text (above 18pt) WCAG AA × Fail

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 33.1431, 0.2836, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

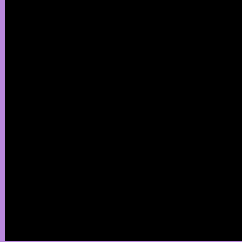
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1431, 0.2836, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 33.1431, 0.2836, 0.2245.



This preview shows how white text looks on a background with the Yxy color 33.1431, 0.2836, 0.2245.

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

33.1431, 0.2836, 0.2245

Protanopia

33.3698, 0.2324, 0.2198

Deuteranopia

33.2719, 0.2476, 0.2418



Tritanopia

33.1469, 0.3288, 0.3135

Trichromacy



Original Color

33.1431, 0.2836, 0.2245



Protanomaly

32.9702, 0.2485, 0.2208



Deuteranomaly

32.7017, 0.2594, 0.2342



Tritanomaly

32.9076, 0.3121, 0.2775

Monochromacy



Original Color

33.1431, 0.2836, 0.2245



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.9456, 0.3021, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1431, 0.2836, 0.2245 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(185, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(185, 136, 221)  
}
```

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(185, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 136, 221) }
```

Border

The CSS property to change the border of an element to Yxy 33.1431, 0.2836, 0.2245 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(185, 136, 221) }
```

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

```
.border{ border-color:rgb(185, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(185, 136,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1431, 0.2836, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 136, 221) }
```

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

```
.background{ background-color: rgb(185,  
136, 221) }
```

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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