

Converting Colors

$Y_{xy}(33.7527, 0.2968, 0.2533)$

Have a look what the booklet for
Yxy(33.7527, 0.2968, 0.2533)
contains.

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Color

Yxy(33.6857, 0.2969, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	B58FC9
RGB	181, 143, 201
RGB Percent	71%, 56%, 79%
CMY	0.2901, 0.4392, 0.2118
CMYK	0.10, 0.29, 0.00, 0.21
HSL	279°, 35%, 67%
HSV	279°, 29%, 79%
XYZ	39.4217, 33.6857, 59.6703
YIQ	160.9740, 4.0300, 26.0940

Conversions

Conversions Part 2

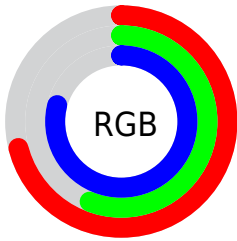
Format	Color
R_{YB}	181, 143, 201
Decimal	11898825
CIE _{Lab}	64.71, 24.98, -24.51
CIE _{LCh}	65, 34.997, 315.548
Yxy	33.6857, 0.2969, 0.2537
Android (android.graphics.Color)	4290088905 (0xFFB58FC9)
YUV	160.9740, 19.7328, 17.5628
Hunter-Lab	58.0394, 19.6724, -20.3285

Details

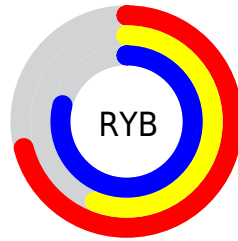
The Yxy color $33.6857, 0.2969, 0.2537$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $51.5306, 0.3243, 0.4082$, and the grayscale version is $35.5343, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.1570, 0.3021, 0.2699$, and $14.2729, 0.2900, 0.2319$ is the 20% darker color. If you saturate the color by 10%, you get $27.3677, 0.2897, 0.2259$, and if you desaturate by 10%, it is $41.1291, 0.3032, 0.2810$.

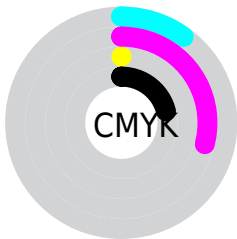
Distribution



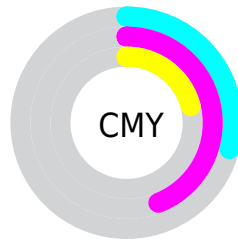
- Red (71%)
- Green (56%)
- Blue (79%)



- Red (71%)
- Yellow (56%)
- Blue (79%)



- Cyan (10%)
- Magenta (29%)
- Yellow (0%)
- Black (21%)




- Cyan (29%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6857, 0.2969, 0.2537 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 33.6857, 0.2969, 0.2537 by changing the saturation by 10% instead.


 33.6857, 0.2969,
0.2537


 33.6857, 0.2969,
0.2537


318.7283, 0.3059,
0.2911

 22.6523, 0.2943,
0.2445


 65.4446, 0.3004,
0.2672

 14.3369, 0.2908,
0.2328


 86.9389, 0.3017,
0.2723

 8.3554, 0.2859,
0.2174


112.6888, 0.3027,
0.2767

 4.3232, 0.2783,
0.1964

143.0789, 0.3035,
0.2804

 1.8559, 0.2659,
0.1665

178.4935, 0.3043,
0.2836

 0.5217, 0.2451,
0.1127

219.3170, 0.3049,

 0.0000, 0.0472,

0.2864

0.0000

265.9338, 0.3054,
0.2889

0.0000, 0.0000,
0.0000

33.6857, 0.2969,
0.2537

33.6857, 0.2969,
0.2537

27.3677, 0.2897,
0.2259

41.1291, 0.3032,
0.2810

22.1124, 0.2816,
0.1986

49.7477, 0.3086,
0.3072

17.8577, 0.2728,
0.1730


59.5934, 0.3132,
0.3317


14.5327, 0.2636,
0.1502


70.7135, 0.3170,
0.3544

12.0574, 0.2542,
0.1315


83.1531, 0.3201,
0.3751

 10.3372, 0.2450,
0.1175

 91.3512, 0.3235,
0.3858

 9.2181, 0.2363,
0.1080

 92.4701, 0.3279,
0.3850

 9.1035, 0.2353,
0.1070

 93.6344, 0.3325,
0.3842

 94.8447, 0.3370,
0.3834

Harmonies

Analogous

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



33.6857, 0.2501, 0.2429



33.6857, 0.2969, 0.2537



33.6857, 0.3525, 0.2807

Triad

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



33.6857, 0.2969, 0.2537



33.6857, 0.4103, 0.4008



33.6857, 0.2315, 0.3307

Complementary

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



33.6857, 0.2969, 0.2537



51.5306, 0.3243, 0.4082

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.



33.6857, 0.2693, 0.3853



33.6857, 0.2969, 0.2537



33.6857, 0.3727, 0.4257

Square

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



33.6857, 0.2969, 0.2537



33.6857, 0.4213, 0.3614



33.6857, 0.3208, 0.4221



33.6857, 0.2150, 0.2817

Rectangle

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



33.6857, 0.2969, 0.2537



33.6857, 0.3862, 0.3052



33.6857, 0.3208, 0.4221



33.6857, 0.2419, 0.3493

Sweetspot

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



33.6871, 0.2969, 0.2537



84.7532, 0.3085, 0.3065



36.3549, 0.2657, 0.2759



17.6486, 0.3078, 0.3027



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.



33.6871, 0.2969, 0.2537



50.2916, 0.2922, 0.2353



35.8785, 0.3243, 0.2678



10.6268, 0.3084, 0.3058



5.7775, 0.2365, 0.1077



0.3125, 0.2545, 0.1175

Inverse Universe

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



34.7033, 0.3541, 0.3033



52.4492, 0.3674, 0.2971



49.8613, 0.3030, 0.3991



10.6962, 0.3236, 0.3211



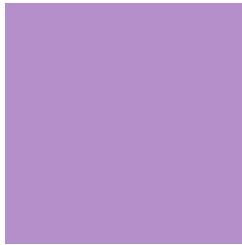
8.0951, 0.5576, 0.2845



0.3970, 0.4987, 0.2521

Previews

White Background



This preview shows how the Yxy color 33.6857, 0.2969, 0.2537 looks on a white background.

Color Contrast Check

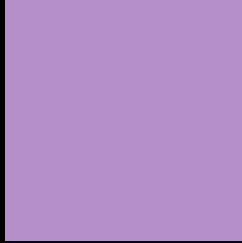
Large Text (above 18pt) WCAG AA × Fail

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 33.6857, 0.2969, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

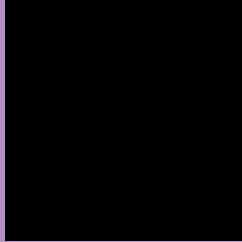
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6857, 0.2969, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 33.6857, 0.2969, 0.2537.



This preview shows how white text looks on a background with the Yxy color 33.6857, 0.2969, 0.2537.

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

33.6857, 0.2969, 0.2537

Protanopia

33.8466, 0.2575, 0.2525

Deuteranopia

33.8140, 0.2723, 0.2659



Tritanopia

33.5353, 0.3267, 0.3121

Trichromacy



Original Color

33.6857, 0.2969, 0.2537

Protanomaly

33.7061, 0.2702, 0.2527

Deuteranomaly

33.6642, 0.2806, 0.2607

Tritanomaly

33.3491, 0.3156, 0.2891

Monochromacy



Original Color

33.6857, 0.2969, 0.2537

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5706, 0.3064, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6857, 0.2969, 0.2537 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(181, 143, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 143, 201)  
}
```

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(181, 143, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 143, 201) }
```

Border

The CSS property to change the border of an element to Yxy 33.6857, 0.2969, 0.2537 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(181, 143, 201) }
```

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

```
.border{ border-color:rgb(181, 143, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 143, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 143, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 143, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 143,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6857, 0.2969, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 143, 201) }
```

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

```
.background{ background-color: rgb(181,  
143, 201) }
```

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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