

Converting Colors

$Y_{xy}(34.1952, 0.3071, 0.2607)$

Have a look what the booklet for
Yxy(34.1952, 0.3071, 0.2607)
contains.

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Color

Yxy(34.1952, 0.3071, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	BB8FC4
RGB	187, 143, 196
RGB Percent	73%, 56%, 77%
CMY	0.2666, 0.4392, 0.2314
CMYK	0.05, 0.27, 0.00, 0.23
HSL	290°, 31%, 66%
HSV	290°, 27%, 77%
XYZ	40.2813, 34.1952, 56.6903
YIQ	162.1980, 9.2110, 25.8110

Conversions

Conversions Part 2

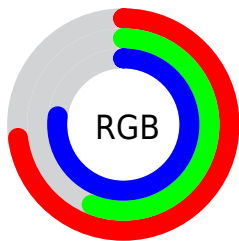
Format	Color
RYB	187, 143, 196
Decimal	12292036
CIELab	65.12, 25.93, -21.04
CIELCh	65, 33.390, 320.942
Yxy	34.1952, 0.3071, 0.2607
Android (android.graphics.Color)	4290482116 (0xFFBB8FC4)
YUV	162.1980, 16.6644, 21.7514
Hunter-Lab	58.4767, 20.6246, -16.5451

Details

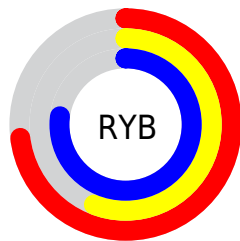
The Yxy color $34.1952, 0.3071, 0.2607$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $48.1263, 0.3161, 0.4042$, and the grayscale version is $36.1472, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.2575, 0.3086, 0.2726$, and $14.5938, 0.3043, 0.2416$ is the 20% darker color. If you saturate the color by 10%, you get $28.4043, 0.3042, 0.2348$, and if you desaturate by 10%, it is $41.0266, 0.3096, 0.2866$.

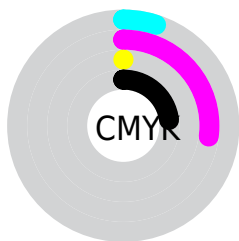
Distribution



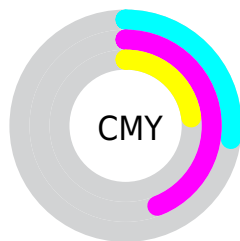
- Red (73%)
- Green (56%)
- Blue (77%)



- Red (73%)
- Yellow (56%)
- Blue (77%)



- Cyan (5%)
- Magenta (27%)
- Yellow (0%)
- Black (23%)





- Cyan (27%)
- Magenta (44%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1952, 0.3071, 0.2607 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 34.1952, 0.3071, 0.2607 by changing the saturation by 10% instead.


 34.1952, 0.3071,
0.2607


 34.1952, 0.3071,
0.2607


321.0016, 0.3107,
0.2947

 23.0436, 0.3059,
0.2523


 66.2371, 0.3086,
0.2730

 14.6257, 0.3043,
0.2416


 87.8962, 0.3091,
0.2776

 8.5571, 0.3018,
0.2274

113.8266, 0.3095,
0.2816

 4.4535, 0.2979,
0.2081

144.4126, 0.3098,
0.2850

 1.9303, 0.2909,
0.1801

180.0388, 0.3101,
0.2879

 0.5665, 0.2788,
0.1298

221.0894, 0.3104,

 0.0000, 0.1190,

0.2904

0.0000

267.9488, 0.3105,
0.2927

0.0000, 0.0000,
0.0000

34.1952, 0.3071,
0.2607

34.1952, 0.3071,
0.2607

28.4043, 0.3042,
0.2348

41.0266, 0.3096,
0.2866

23.5958, 0.3008,
0.2100

48.9438, 0.3116,
0.3119

19.7131, 0.2970,
0.1871

57.9945, 0.3131,
0.3360

16.6914, 0.2929,
0.1672

68.2227, 0.3144,
0.3586

14.4578, 0.2885,
0.1513

79.6695, 0.3153,
0.3794

■ 12.9273, 0.2840,
0.1397

■ 88.7570, 0.3164,
0.3931

■ 11.9837, 0.2796,
0.1325

■ 89.2393, 0.3185,
0.3927

■ 11.7535, 0.2783,
0.1307

■ 89.7316, 0.3206,
0.3923

■ 90.2341, 0.3227,
0.3919

Harmonies

Analogous

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



34.1952, 0.2600, 0.2474



34.1952, 0.3071, 0.2607



34.1952, 0.3598, 0.2889

Triad

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



34.1952, 0.3071, 0.2607



34.1952, 0.4008, 0.4032



34.1952, 0.2309, 0.3215

Complementary

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



34.1952, 0.3071, 0.2607



48.1263, 0.3161, 0.4042

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.



34.1952, 0.2638, 0.3736



34.1952, 0.3071, 0.2607



34.1952, 0.3618, 0.4224

Square

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



34.1952, 0.3071, 0.2607



34.1952, 0.4162, 0.3675



34.1952, 0.3114, 0.4129



34.1952, 0.2190, 0.2776

Rectangle

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



34.1952, 0.3071, 0.2607



34.1952, 0.3897, 0.3134



34.1952, 0.3114, 0.4129



34.1952, 0.2397, 0.3389

Sweetspot

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



34.1967, 0.3071, 0.2607



87.0193, 0.3114, 0.3092



32.5128, 0.2677, 0.2667



18.1358, 0.3111, 0.3054



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.



34.1967, 0.3071, 0.2607



55.9964, 0.3056, 0.2465



34.6409, 0.3321, 0.2824



10.1585, 0.3111, 0.3061



7.5863, 0.2789, 0.1310



0.3511, 0.2888, 0.1365

Inverse Universe

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



33.6437, 0.3606, 0.3172



54.8973, 0.3741, 0.3147



47.8414, 0.2976, 0.3808



10.1051, 0.3263, 0.3251



7.6207, 0.6131, 0.3151



0.3381, 0.5559, 0.2836

Previews

White Background



This preview shows how the Yxy color 34.1952, 0.3071, 0.2607 looks on a white background.

Color Contrast Check

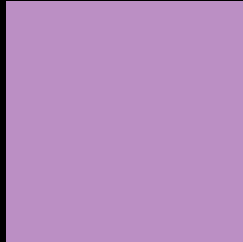
Large Text (above 18pt) WCAG AA × Fail

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 34.1952, 0.3071, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

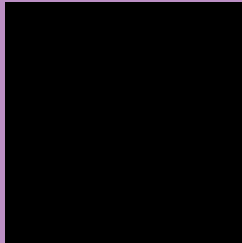
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1952, 0.3071, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 34.1952, 0.3071, 0.2607.



This preview shows how white text looks on a background with the Yxy color 34.1952, 0.3071, 0.2607.

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

34.1952, 0.3071, 0.2607

Protanopia

34.2529, 0.2627, 0.2592

Deuteranopia

34.4057, 0.2805, 0.2744



Tritanopia

34.3310, 0.3349, 0.3139

Trichromacy



Original Color

34.1952, 0.3071, 0.2607

Protanomaly

33.8711, 0.2774, 0.2593

Deuteranomaly

34.2888, 0.2892, 0.2690

Tritanomaly

34.1138, 0.3246, 0.2926

Monochromacy



Original Color

34.1952, 0.3071, 0.2607

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.1566, 0.3111, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1952, 0.3071, 0.2607 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, 143, 196)` looks like.

```
.text, #text, p{  
    color:rgb(187, 143, 196)  
}
```

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, 143, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 143, 196) }
```

Border

The CSS property to change the border of an element to Yxy 34.1952, 0.3071, 0.2607 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, 143, 196) }
```

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

```
.border{ border-color:rgb(187, 143, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 143, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 143, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 143, 196);  
box-shadow:4px 4px 4px 4px rgb(187, 143,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1952, 0.3071, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 143, 196) }
```

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

```
.background{ background-color: rgb(187,  
143, 196) }
```

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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