

Converting Colors

$Y_{xy}(37.9720, 0.3348, 0.2957)$

Have a look what the booklet for
Yxy(37.9720, 0.3348, 0.2957)
contains.

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Color

Yxy(37.8533, 0.3341, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	C798B3
RGB	199, 152, 179
RGB Percent	78%, 60%, 70%
CMY	0.2196, 0.4039, 0.2981
CMYK	0.00, 0.24, 0.10, 0.22
HSL	326°, 30%, 69%
HSV	326°, 24%, 78%
XYZ	42.9141, 37.8533, 47.6795
YIQ	169.1310, 19.3450, 18.3610

Conversions

Conversions Part 2

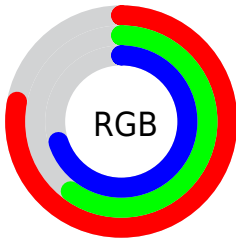
Format	Color
R_{YB}	199, 152, 179
Decimal	13080755
CIE _{Lab}	67.91, 21.89, -7.20
CIE _{LCh}	68, 23.043, 341.796
Yxy	37.8533, 0.3341, 0.2947
Android (android.graphics.Color)	4291270835 (0xFFC798B3)
YUV	169.1310, 4.8654, 26.1951
Hunter-Lab	61.5250, 16.8361, -2.8799

Details

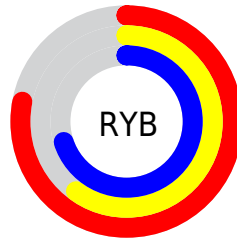
The Yxy color $37.8533, 0.3341, 0.2947$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $50.4986, 0.2959, 0.3660$, and the grayscale version is $39.7129, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.8838, 0.3290, 0.3011$, and $16.8335, 0.3414, 0.2860$ is the 20% darker color. If you saturate the color by 10%, you get $31.5953, 0.3461, 0.2795$, and if you desaturate by 10%, it is $45.2195, 0.3239, 0.3097$.

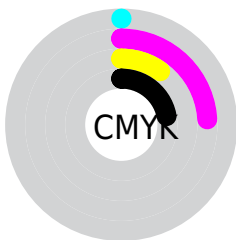
Distribution



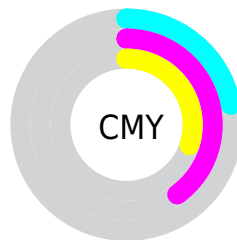
- Red (78%)
- Green (60%)
- Blue (70%)



- Red (78%)
- Yellow (60%)
- Blue (70%)



- Cyan (0%)
- Magenta (24%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8533, 0.3341, 0.2947 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 37.8533, 0.3341, 0.2947 by changing the saturation by 10% instead.

 37.8533, 0.3341,
0.2947

 37.8533, 0.3341,
0.2947


336.9902, 0.3233,
0.3120

 25.8689, 0.3369,
0.2903


 71.8832, 0.3301,
0.3010

 16.7256, 0.3404,
0.2847


 94.6975, 0.3286,
0.3034

 10.0390, 0.3452,
0.2772


121.8905, 0.3274,
0.3054

 5.4248, 0.3520,
0.2667

153.8466, 0.3263,
0.3071

 2.4986, 0.3623,
0.2508

190.9503, 0.3254,
0.3085

 0.8759, 0.3799,
0.2243

233.5858, 0.3246,

 0.0000, 0.5557,

0.3098

0.0000

282.1377, 0.3239,
0.3110

0.0000, 0.0000,
0.0000

37.8533, 0.3341,
0.2947

37.8533, 0.3341,
0.2947

31.5953, 0.3461,
0.2795

45.2195, 0.3239,
0.3097

26.3859, 0.3601,
0.2647

53.7393, 0.3154,
0.3240

22.1677, 0.3761,
0.2511


63.4619, 0.3083,
0.3375


18.8759, 0.3940,
0.2398

74.4322, 0.3024,
0.3501


16.4376, 0.4133,
0.2319


86.6926, 0.2976,
0.3618

 14.7689, 0.4333,
0.2286

 89.3651, 0.2930,
0.3560

 13.7687, 0.4532,
0.2306

 89.8526, 0.2886,
0.3467

 13.3606, 0.4657,
0.2339

 90.3637, 0.2842,
0.3376

 90.8808, 0.2800,
0.3289

Harmonies

Analogous

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



37.8533, 0.2990, 0.2777



37.8533, 0.3341, 0.2947



37.8533, 0.3646, 0.3199

Triad

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



37.8533, 0.3341, 0.2947



37.8533, 0.3558, 0.3893



37.8533, 0.2493, 0.3035

Complementary

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



37.8533, 0.3341, 0.2947



50.4986, 0.2959, 0.3660

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.



37.8533, 0.2627, 0.3353



37.8533, 0.3341, 0.2947



37.8533, 0.3235, 0.3876

Square

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



37.8533, 0.3341, 0.2947



37.8533, 0.3771, 0.3740



37.8533, 0.2895, 0.3673



37.8533, 0.2516, 0.2812

Rectangle

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



37.8533, 0.3341, 0.2947



37.8533, 0.3774, 0.3389



37.8533, 0.2895, 0.3673



37.8533, 0.2521, 0.3134

Sweetspot

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



37.8550, 0.3341, 0.2947



88.6551, 0.3182, 0.3191



35.3075, 0.2901, 0.2663



18.7771, 0.3187, 0.3182



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.



37.8550, 0.3341, 0.2947



60.7885, 0.3396, 0.2874



36.9991, 0.3571, 0.3240



10.7373, 0.3202, 0.3158



8.6099, 0.4631, 0.2325



0.4220, 0.4257, 0.2119

Inverse Universe

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



37.8550, 0.3341, 0.2947



60.7885, 0.3396, 0.2874



51.4626, 0.2807, 0.3341



10.7373, 0.3202, 0.3158



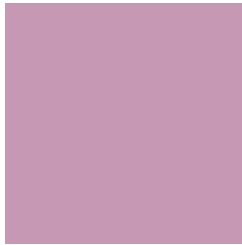
8.6099, 0.4631, 0.2325



0.4220, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 37.8533, 0.3341, 0.2947 looks on a white background.

Color Contrast Check

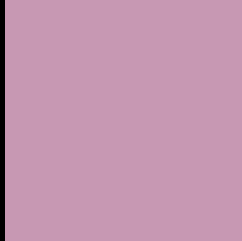
Large Text (above 18pt) WCAG AA × Fail

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 37.8533, 0.3341, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

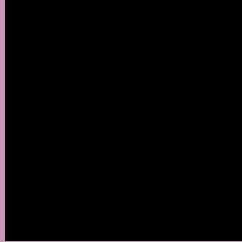
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8533, 0.3341, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 37.8533, 0.3341, 0.2947.



This preview shows how white text looks on a background with the Yxy color 37.8533, 0.3341, 0.2947.

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

37.8533, 0.3341, 0.2947

Protanopia

38.1795, 0.2918, 0.2985

Deuteranopia

38.0112, 0.3137, 0.3073



Tritanopia

37.7347, 0.3445, 0.3135

Trichromacy



Original Color

37.8533, 0.3341, 0.2947

Protanomaly

37.7163, 0.3058, 0.2965

Deuteranomaly

37.9824, 0.3207, 0.3025

Tritanomaly

37.7285, 0.3407, 0.3059

Monochromacy



Original Color

37.8533, 0.3341, 0.2947

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.9148, 0.3199, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8533, 0.3341, 0.2947 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(199, 152, 179)` looks like.

```
.text, #text, p{  
    color:rgb(199, 152, 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(199, 152, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 152, 179) }
```

Border

The CSS property to change the border of an element to Yxy 37.8533, 0.3341, 0.2947 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(199, 152, 179) }
```

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

```
.border{ border-color:rgb(199, 152, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 152, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 152, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 152, 179);  
box-shadow:4px 4px 4px 4px rgb(199, 152,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8533, 0.3341, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 152, 179) }
```

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

```
.background{ background-color: rgb(199,  
152, 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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