

Converting Colors

$Y_{xy}(33.3871, 0.3575, 0.2862)$

Have a look what the booklet for
Yxy(33.3871, 0.3575, 0.2862)
contains.

Yxy(33.3247, 0.3570, 0.2853)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3247, 0.3570, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	D086A9
RGB	208, 134, 169
RGB Percent	82%, 53%, 66%
CMY	0.1843, 0.4745, 0.3372
CMYK	0.00, 0.36, 0.19, 0.18
HSL	332°, 44%, 67%
HSV	332°, 36%, 82%
XYZ	41.6997, 33.3247, 41.7814
YIQ	160.1160, 32.8690, 26.5730

Conversions

Conversions Part 2

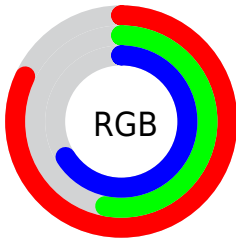
Format	Color
R _Y B	208, 134, 169
Decimal	13665961
CIE Lab	64.42, 33.28, -6.68
CIE LCh	64, 33.940, 348.658
Yxy	33.3247, 0.3570, 0.2853
Android (android.graphics.Color)	4291856041 (0xFFD086A9)
YUV	160.1160, 4.3798, 41.9943
Hunter-Lab	57.7275, 27.9168, -2.5030

Details

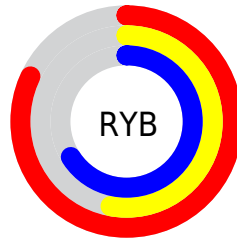
The Yxy color **33.3247, 0.3570, 0.2853** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1948, 0.2836, 0.3778**, and the grayscale version is **35.1795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6083, 0.3395, 0.2925**, and **14.1463, 0.3706, 0.2723** is the 20% darker color. If you saturate the color by 10%, you get **27.7363, 0.3753, 0.2731**, and if you desaturate by 10%, it is **40.0813, 0.3415, 0.2980**.

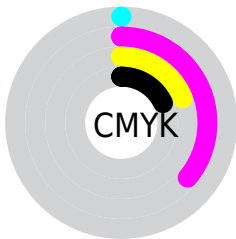
Distribution



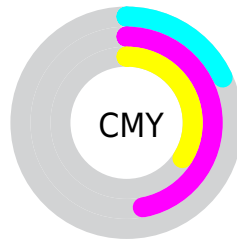
- Red (82%)
- Green (53%)
- Blue (66%)



- Red (82%)
- Yellow (53%)
- Blue (66%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (18%)




- Cyan (18%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3247, 0.3570, 0.2853 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 33.3247, 0.3570, 0.2853 by changing the saturation by 10% instead.


 33.3247, 0.3570,
0.2853


 33.3247, 0.3570,
0.2853


317.1103, 0.3340,
0.3077


 22.3753, 0.3630,
0.2796


 64.8821, 0.3484,
0.2935

 14.1329, 0.3710,
0.2721


 86.2590, 0.3453,
0.2966

 8.2132, 0.3818,
0.2620


 111.8804, 0.3426,
0.2992

 4.2317, 0.3976,
0.2476

142.1308, 0.3404,
0.3014

 1.8040, 0.4226,
0.2256

177.3946, 0.3385,
0.3033

 0.4896, 0.4767,
0.1720

218.0562, 0.3368,

 0.0000, 1.0000,

0.3049

0.0000

264.5000, 0.3353,
0.3064

0.0000, 0.0000,
0.0000

33.3247, 0.3570,
0.2853

33.3247, 0.3570,
0.2853

27.7363, 0.3753,
0.2731

40.0813, 0.3415,
0.2980

23.2442, 0.3964,
0.2621

48.0636, 0.3286,
0.3106

19.7753, 0.4201,
0.2536


57.3305, 0.3179,
0.3226

17.2459, 0.4458,
0.2488


67.9361, 0.3090,
0.3339


15.5587, 0.4722,
0.2488

79.9310, 0.3017,
0.3444

 14.5943, 0.4979,
0.2543

 90.9134, 0.2956,
0.3503

 14.2995, 0.5090,
0.2578

 91.5655, 0.2898,
0.3386

 92.1493, 0.2849,
0.3289

Harmonies

Analogous

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



33.3247, 0.3028, 0.2575



33.3247, 0.3570, 0.2853



33.3247, 0.4010, 0.3233

Triad

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



33.3247, 0.3570, 0.2853



33.3247, 0.3665, 0.4242



33.3247, 0.2170, 0.2790

Complementary

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



33.3247, 0.3570, 0.2853



53.1948, 0.2836, 0.3778

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.



33.3247, 0.2308, 0.3252



33.3247, 0.3570, 0.2853



33.3247, 0.3153, 0.4171

Square

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



33.3247, 0.3570, 0.2853



33.3247, 0.4051, 0.4025



33.3247, 0.2659, 0.3786



33.3247, 0.2257, 0.2517

Rectangle

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



33.3247, 0.3570, 0.2853



33.3247, 0.4164, 0.3512



33.3247, 0.2659, 0.3786



33.3247, 0.2191, 0.2926

Sweetspot

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



33.3263, 0.3570, 0.2853



82.4755, 0.3236, 0.3160



30.4025, 0.2823, 0.2321



17.2294, 0.3251, 0.3143



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.



33.3263, 0.3570, 0.2853



45.6604, 0.3712, 0.2755



32.5251, 0.3968, 0.3308



11.9001, 0.3217, 0.3180



8.9319, 0.5057, 0.2560



0.5154, 0.4630, 0.2324

Inverse Universe

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



33.3263, 0.3570, 0.2853



45.6604, 0.3712, 0.2755



54.1334, 0.2628, 0.3272



11.9001, 0.3217, 0.3180



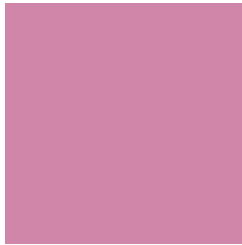
8.9319, 0.5057, 0.2560



0.5154, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 33.3247, 0.3570, 0.2853 looks on a white background.

Color Contrast Check

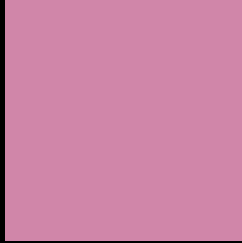
Large Text (above 18pt) WCAG AA × Fail

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 33.3247, 0.3570, 0.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

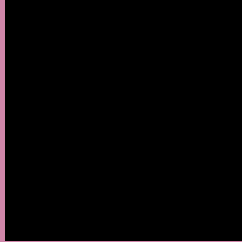
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3247, 0.3570, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 33.3247, 0.3570, 0.2853.



This preview shows how white text looks on a background with the Yxy color 33.3247, 0.3570, 0.2853.

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

33.3247, 0.3570, 0.2853

Protanopia

33.4409, 0.2848, 0.2883

Deuteranopia

33.5345, 0.3156, 0.3090



Tritanopia

33.4369, 0.3774, 0.3164

Trichromacy



Original Color

33.3247, 0.3570, 0.2853

Protanomaly

32.8524, 0.3087, 0.2859

Deuteranomaly

33.1081, 0.3307, 0.2989

Tritanomaly

33.5570, 0.3697, 0.3050

Monochromacy



Original Color

33.3247, 0.3570, 0.2853

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1247, 0.3277, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3247, 0.3570, 0.2853 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(208, 134, 169)` looks like.

```
.text, #text, p{  
    color:rgb(208, 134, 169)  
}
```

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(208, 134, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 134, 169) }
```

Border

The CSS property to change the border of an element to Yxy 33.3247, 0.3570, 0.2853 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(208, 134, 169) }
```

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

```
.border{ border-color:rgb(208, 134, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 134, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 134, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 134, 169);  
box-shadow:4px 4px 4px 4px rgb(208, 134,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3247, 0.3570, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 134, 169) }
```

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

```
.background{ background-color: rgb(208,  
134, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor