

Converting Colors

Yxy(36.9347, 0.3072, 0.2409)

Have a look what the booklet for
Yxy(36.9347, 0.3072, 0.2409)
contains.

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Color

Yxy(36.9868, 0.3064, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	CD8DD8
RGB	205, 141, 216
RGB Percent	80%, 55%, 85%
CMY	0.1960, 0.4471, 0.1528
CMYK	0.05, 0.35, 0.00, 0.15
HSL	291°, 49%, 70%
HSV	291°, 35%, 85%
XYZ	47.1021, 36.9868, 69.6385
YIQ	168.6860, 14.0690, 36.8930

Conversions

Conversions Part 2

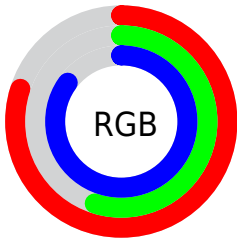
Format	Color
R _Y B	205, 141, 216
Decimal	13471192
CIE Lab	67.27, 36.76, -28.75
CIE LCh	67, 46.672, 321.972
Yxy	36.9868, 0.3064, 0.2406
Android (android.graphics.Color)	4291661272 (0xFFCD8DD8)
YUV	168.6860, 23.3258, 31.8474
Hunter-Lab	60.8168, 31.8173, -25.3185

Details

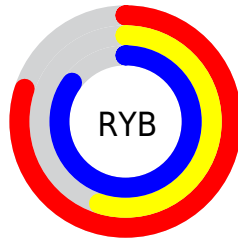
The Yxy color **36.9868, 0.3064, 0.2406** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.7227, 0.3155, 0.4303**, and the grayscale version is **39.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.2020, 0.3034, 0.2177** is the 20% darker color. If you saturate the color by 10%, you get **30.7813, 0.3037, 0.2156**, and if you desaturate by 10%, it is **44.4470, 0.3087, 0.2665**.

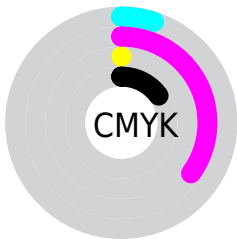
Distribution



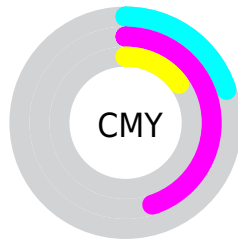
- Red (80%)
- Green (55%)
- Blue (85%)



- Red (80%)
- Yellow (55%)
- Blue (85%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)




- Cyan (20%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9868, 0.3064, 0.2406 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 36.9868, 0.3064, 0.2406 by changing the saturation by 10% instead.


 36.9868, 0.3064,
0.2406


 36.9868, 0.3064,
0.2406


333.2534, 0.3108,
0.2831


 25.1973, 0.3050,
0.2306


 70.5525, 0.3083,
0.2556

 16.2241, 0.3029,
0.2181


 93.0974, 0.3089,
0.2614

 9.6829, 0.2999,
0.2021


 119.9963, 0.3094,
0.2663

 5.1892, 0.2951,
0.1810

151.6335, 0.3098,
0.2706

 2.3587, 0.2869,
0.1522

188.3934, 0.3101,
0.2743

 0.8045, 0.2716,
0.1116

230.6604, 0.3104,

 0.0000, 0.2457,

0.2776

0.0000

278.8189, 0.3106,
0.2805

0.0000, 0.0000,
0.0000

36.9868, 0.3064,
0.2406

36.9868, 0.3064,
0.2406

30.7813, 0.3037,
0.2156

44.4470, 0.3087,
0.2665

25.7531, 0.3006,
0.1925

53.2238, 0.3106,
0.2924

21.8238, 0.2971,
0.1723

63.3809, 0.3121,
0.3175


18.9031, 0.2934,
0.1559


74.9762, 0.3133,
0.3414


16.8865, 0.2896,
0.1440


88.0644, 0.3142,
0.3638

 15.6467, 0.2857,
0.1364

 92.3316, 0.3158,
0.3695

 15.1907, 0.2837,
0.1337

 92.8428, 0.3178,
0.3693

 93.3635, 0.3198,
0.3690

 93.8937, 0.3218,
0.3688

Harmonies

Analogous

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



36.9868, 0.2438, 0.2224



36.9868, 0.3064, 0.2406



36.9868, 0.3786, 0.2769

Triad

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



36.9868, 0.3064, 0.2406



36.9868, 0.4282, 0.4269



36.9868, 0.2031, 0.3142

Complementary

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



36.9868, 0.3064, 0.2406



57.7227, 0.3155, 0.4303

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.



36.9868, 0.2440, 0.3882



36.9868, 0.3064, 0.2406



36.9868, 0.3738, 0.4567

Square

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



36.9868, 0.3064, 0.2406



36.9868, 0.4526, 0.3779



36.9868, 0.3063, 0.4456



36.9868, 0.1898, 0.2566

Rectangle

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



36.9868, 0.3064, 0.2406



36.9868, 0.4196, 0.3082



36.9868, 0.3063, 0.4456



36.9868, 0.2138, 0.3383

Sweetspot

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



36.9884, 0.3064, 0.2406



84.0931, 0.3114, 0.3042



33.1582, 0.2522, 0.2414



17.5571, 0.3111, 0.3006



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.



36.9884, 0.3064, 0.2406



46.7694, 0.3043, 0.2213



37.3577, 0.3420, 0.2711



12.5361, 0.3115, 0.3059



9.0259, 0.2843, 0.1340



0.5701, 0.2910, 0.1377

Inverse Universe

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



35.9174, 0.3825, 0.3157



45.0748, 0.4058, 0.3128



57.5859, 0.2920, 0.3953



12.4502, 0.3268, 0.3256



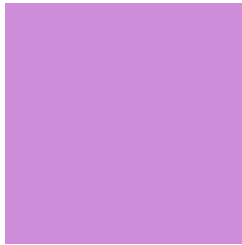
8.7116, 0.6190, 0.3184



0.5351, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 36.9868, 0.3064, 0.2406 looks on a white background.

Color Contrast Check

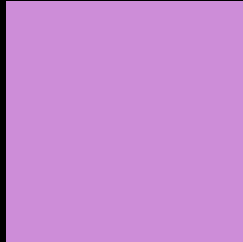
Large Text (above 18pt) WCAG AA × Fail

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 36.9868, 0.3064, 0.2406 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 36.9868, 0.3064, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 36.9868, 0.3064, 0.2406.



This preview shows how white text looks on a background with the Yxy color 36.9868, 0.3064, 0.2406.

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

36.9868, 0.3064, 0.2406

Protanopia

37.4176, 0.2452, 0.2374

Deuteranopia

37.1132, 0.2663, 0.2604



Tritanopia

37.1066, 0.3489, 0.3148

Trichromacy



Original Color

36.9868, 0.3064, 0.2406



Protanomaly

36.6015, 0.2645, 0.2373



Deuteranomaly

36.7995, 0.2804, 0.2529



Tritanomaly

36.9747, 0.3337, 0.2861

Monochromacy



Original Color

36.9868, 0.3064, 0.2406



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.2865, 0.3106, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9868, 0.3064, 0.2406 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(205, 141, 216)` looks like.

```
.text, #text, p{  
    color:rgb(205, 141, 216)  
}
```

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(205, 141, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 141, 216) }
```

Border

The CSS property to change the border of an element to Yxy 36.9868, 0.3064, 0.2406 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(205, 141, 216) }
```

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

```
.border{ border-color:rgb(205, 141, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 141, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 141, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 141, 216);  
box-shadow:4px 4px 4px 4px rgb(205, 141,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9868, 0.3064, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 141, 216) }
```

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

```
.background{ background-color: rgb(205,  
141, 216) }
```

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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