

Converting Colors

$Y_{xy}(36.1196, 0.3065, 0.2406)$

Have a look what the booklet for
Yxy(36.1196, 0.3065, 0.2406)
contains.

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Color

Yxy(36.0168, 0.3063, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	CB8BD6
RGB	203, 139, 214
RGB Percent	80%, 55%, 84%
CMY	0.2041, 0.4548, 0.1609
CMYK	0.05, 0.35, 0.00, 0.16
HSL	291°, 48%, 69%
HSV	291°, 35%, 84%
XYZ	45.9856, 36.0168, 68.1302
YIQ	166.6860, 14.0690, 36.8930

Conversions

Conversions Part 2

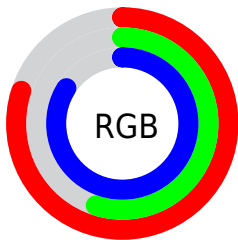
Format	Color
R _Y B	203, 139, 214
Decimal	13339606
CIE Lab	66.53, 36.78, -28.77
CIE LCh	67, 46.691, 321.970
Yxy	36.0168, 0.3063, 0.2399
Android (android.graphics.Color)	4291529686 (0xFFFCB8BD6)
YUV	166.6860, 23.3258, 31.8474
Hunter-Lab	60.0140, 31.7508, -25.2984

Details

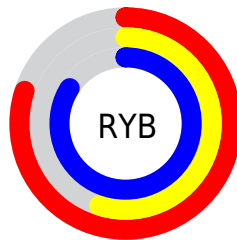
The Yxy color **36.0168, 0.3063, 0.2399** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.4362, 0.3155, 0.4312**, and the grayscale version is **38.3630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **15.6155, 0.3032, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **29.9772, 0.3035, 0.2149**, and if you desaturate by 10%, it is **43.2813, 0.3086, 0.2658**.

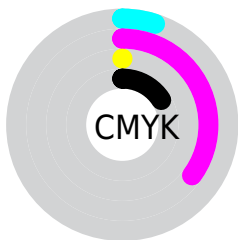
Distribution



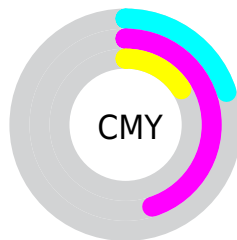
- Red (80%)
- Green (55%)
- Blue (84%)



- Red (80%)
- Yellow (55%)
- Blue (84%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0168, 0.3063, 0.2399 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 36.0168, 0.3063, 0.2399 by changing the saturation by 10% instead.


 36.0168, 0.3063,
0.2399


 36.0168, 0.3063,
0.2399


329.0340, 0.3108,
0.2829


 24.4472, 0.3048,
0.2297


 69.0580, 0.3082,
0.2551

 15.6657, 0.3027,
0.2170


 91.2984, 0.3088,
0.2610

 9.2879, 0.2996,
0.2007


 117.8644, 0.3093,
0.2660

 4.9294, 0.2946,
0.1791

149.1406, 0.3098,
0.2703

 2.2059, 0.2861,
0.1497

185.5112, 0.3101,
0.2740

 0.7232, 0.2702,
0.1070

227.3607, 0.3104,


 0.0000, 0.2345,

0.2773

0.0000

275.0735, 0.3106,
0.2803

 0.0000, 0.0000,
0.0000


 36.0168, 0.3063,
0.2399


 36.0168, 0.3063,
0.2399

 29.9772, 0.3035,
0.2149


 43.2813, 0.3086,
0.2658


 25.0866, 0.3004,
0.1919


 51.8313, 0.3106,
0.2916


 21.2681, 0.2969,
0.1718

 61.7290, 0.3121,
0.3168


 18.4335, 0.2932,
0.1555

 73.0312, 0.3133,
0.3407

 16.4800, 0.2894,
0.1437

 85.7915, 0.3141,
0.3631


 15.2825, 0.2855,
0.1362

 91.8783, 0.3156,
0.3719

 14.8586, 0.2836,
0.1336

 92.3797, 0.3176,
0.3716

 92.8904, 0.3196,
0.3713

 93.4105, 0.3216,
0.3711

Harmonies

Analogous

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



36.0168, 0.2432, 0.2216



36.0168, 0.3063, 0.2399



36.0168, 0.3791, 0.2765

Triad

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



36.0168, 0.3063, 0.2399



36.0168, 0.4292, 0.4276



36.0168, 0.2022, 0.3140

Complementary

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



36.0168, 0.3063, 0.2399



56.4362, 0.3155, 0.4312

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.



36.0168, 0.2434, 0.3888



36.0168, 0.3063, 0.2399



36.0168, 0.3742, 0.4579

Square

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



36.0168, 0.3063, 0.2399



36.0168, 0.4539, 0.3782



36.0168, 0.3061, 0.4468



36.0168, 0.1888, 0.2559

Rectangle

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



36.0168, 0.3063, 0.2399



36.0168, 0.4206, 0.3080



36.0168, 0.3061, 0.4468



36.0168, 0.2129, 0.3383

Sweetspot

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



36.0184, 0.3063, 0.2399



82.6164, 0.3112, 0.3016



32.2466, 0.2517, 0.2406



17.2625, 0.3110, 0.2981



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.



36.0184, 0.3063, 0.2399



46.7610, 0.3043, 0.2213



36.3877, 0.3423, 0.2707



12.5358, 0.3115, 0.3059



9.0189, 0.2842, 0.1339



0.5698, 0.2909, 0.1376

Inverse Universe

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



34.9718, 0.3832, 0.3155



45.0765, 0.4057, 0.3127



56.2993, 0.2919, 0.3959



12.4503, 0.3268, 0.3256



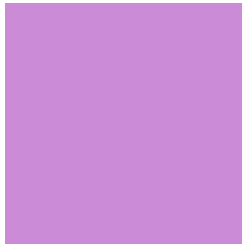
8.7119, 0.6189, 0.3183



0.5352, 0.5771, 0.2953

Previews

White Background



This preview shows how the Yxy color 36.0168, 0.3063, 0.2399 looks on a white background.

Color Contrast Check

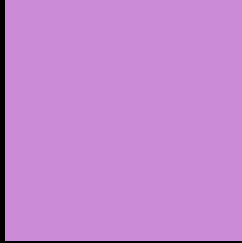
Large Text (above 18pt) WCAG AA × Fail

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 36.0168, 0.3063, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

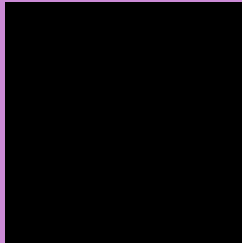
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0168, 0.3063, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 36.0168, 0.3063, 0.2399.



This preview shows how white text looks on a background with the Yxy color 36.0168, 0.3063, 0.2399.

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

36.0168, 0.3063, 0.2399

Protanopia

36.4302, 0.2446, 0.2365

Deuteranopia

36.1248, 0.2658, 0.2597



Tritanopia

36.1217, 0.3493, 0.3146

Trichromacy



Original Color

36.0168, 0.3063, 0.2399



Protanomaly

35.6248, 0.2640, 0.2364



Deuteranomaly

35.8175, 0.2801, 0.2522



Tritanomaly

35.9952, 0.3340, 0.2857

Monochromacy



Original Color

36.0168, 0.3063, 0.2399



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.2779, 0.3106, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0168, 0.3063, 0.2399 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(203, 139, 214)` looks like.

```
.text, #text, p{  
    color:rgb(203, 139, 214)  
}
```

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(203, 139, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 139, 214) }
```

Border

The CSS property to change the border of an element to Yxy 36.0168, 0.3063, 0.2399 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(203, 139, 214) }
```

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

```
.border{ border-color:rgb(203, 139, 214) }
```

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

Here you see how a box with a 4 pixel rgb(203, 139, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 139, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 139, 214);  
box-shadow:4px 4px 4px 4px rgb(203, 139,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0168, 0.3063, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 139, 214) }
```

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

```
.background{ background-color: rgb(203,  
139, 214) }
```

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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