

Converting Colors

Yxy(35.8854, 0.3021, 0.2413)

Have a look what the booklet for
Yxy(35.8854, 0.3021, 0.2413)
contains.

Yxy(35.9106, 0.3016, 0.2409)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.9106, 0.3016, 0.2409)

Conversions

Conversions Part 1

Format	Color
Hex	C68DD6
RGB	198, 141, 214
RGB Percent	78%, 55%, 84%
CMY	0.2234, 0.4471, 0.1607
CMYK	0.07, 0.34, 0.00, 0.16
HSL	287°, 47%, 70%
HSV	287°, 34%, 84%
XYZ	44.9591, 35.9106, 68.1988
YIQ	166.3650, 10.5390, 34.7870

Conversions

Conversions Part 2

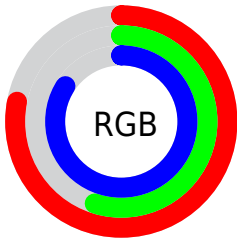
Format	Color
RYB	198, 141, 214
Decimal	13012438
CIELab	66.45, 34.18, -28.96
CIELCh	66, 44.805, 319.728
Yxy	35.9106, 0.3016, 0.2409
Android (android.graphics.Color)	4291202518 (0xFFC68DD6)
YUV	166.3650, 23.4841, 27.7439
Hunter-Lab	59.9255, 29.0500, -25.5278

Details

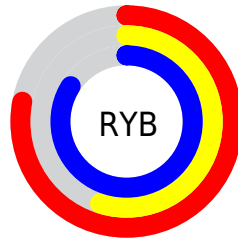
The Yxy color **35.9106, 0.3016, 0.2409** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.1974, 0.3193, 0.4270**, and the grayscale version is **38.2008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **15.6552, 0.2967, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **29.5718, 0.2970, 0.2148**, and if you desaturate by 10%, it is **43.4917, 0.3056, 0.2675**.

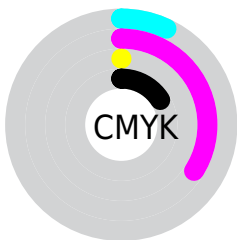
Distribution



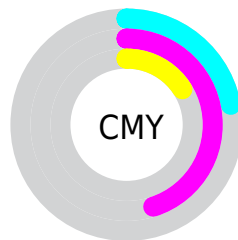
- Red (78%)
- Green (55%)
- Blue (84%)



- Red (78%)
- Yellow (55%)
- Blue (84%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)





- Cyan (22%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9106, 0.3016, 0.2409 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 35.9106, 0.3016, 0.2409 by changing the saturation by 10% instead.

 35.9106, 0.3016,
0.2409


 35.9106, 0.3016,
0.2409


328.5696, 0.3084,
0.2835

 24.3652, 0.2995,
0.2308


 68.8941, 0.3044,
0.2560

 15.6047, 0.2967,
0.2181


 91.1009, 0.3053,
0.2618

 9.2449, 0.2926,
0.2018

 117.6302, 0.3061,
0.2668

 4.9013, 0.2863,
0.1802

148.8666, 0.3067,
0.2710

 2.1894, 0.2759,
0.1507

185.1943, 0.3072,
0.2748

 0.7142, 0.2572,
0.1076

226.9978, 0.3077,


 0.0000, 0.2090,


0.2780


0.0000

274.6614, 0.3081,
0.2810

 0.0000, 0.0000,
0.0000

 35.9106, 0.3016,
0.2409


 35.9106, 0.3016,
0.2409


 29.5718, 0.2970,
0.2148


 43.4917, 0.3056,
0.2675


 24.4000, 0.2919,
0.1903


 52.3756, 0.3089,
0.2937


 20.3189, 0.2864,
0.1685

 62.6242, 0.3117,
0.3190

 17.2409, 0.2806,
0.1503

 74.2941, 0.3140,
0.3428

 15.0648, 0.2747,
0.1366

 87.4389, 0.3158,
0.3649

■ 13.6678, 0.2688,
0.1274

■ 92.5712, 0.3183,
0.3715

■ 13.0873, 0.2655,
0.1236

■ 93.3403, 0.3212,
0.3711

■ 94.1304, 0.3243,
0.3707

■ 94.9415, 0.3273,
0.3703

Harmonies

Analogous

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



35.9106, 0.2420, 0.2247



35.9106, 0.3016, 0.2409



35.9106, 0.3716, 0.2753

Triad

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



35.9106, 0.3016, 0.2409



35.9106, 0.4281, 0.4213



35.9106, 0.2082, 0.3200

Complementary

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



35.9106, 0.3016, 0.2409



57.1974, 0.3193, 0.4270

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.



35.9106, 0.2501, 0.3915



35.9106, 0.3016, 0.2409



35.9106, 0.3770, 0.4519

Square

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



35.9106, 0.3016, 0.2409



35.9106, 0.4487, 0.3732



35.9106, 0.3117, 0.4442



35.9106, 0.1931, 0.2621

Rectangle

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



35.9106, 0.3016, 0.2409



35.9106, 0.4125, 0.3054



35.9106, 0.3117, 0.4442



35.9106, 0.2193, 0.3436

Sweetspot

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



35.9121, 0.3016, 0.2409



83.7516, 0.3101, 0.3041



34.9823, 0.2546, 0.2519



17.4740, 0.3097, 0.3004



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.



35.9121, 0.3016, 0.2409



46.3484, 0.2983, 0.2218



37.2665, 0.3352, 0.2654



12.4891, 0.3103, 0.3058



7.9555, 0.2663, 0.1241



0.5146, 0.2762, 0.1295

Inverse Universe

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



35.7806, 0.3748, 0.3094



46.2475, 0.3946, 0.3052



56.3237, 0.2961, 0.4026



12.4649, 0.3257, 0.3239



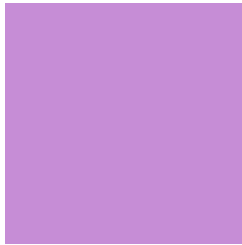
8.7774, 0.6010, 0.3084



0.5420, 0.5518, 0.2814

Previews

White Background



This preview shows how the Yxy color 35.9106, 0.3016, 0.2409 looks on a white background.

Color Contrast Check

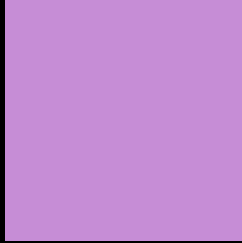
Large Text (above 18pt) WCAG AA × Fail

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 35.9106, 0.3016, 0.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

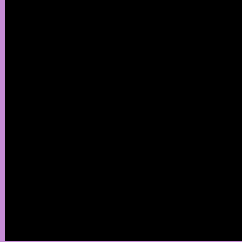
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9106, 0.3016, 0.2409

Background



This preview shows how black text looks on a background with the Yxy color 35.9106, 0.3016, 0.2409.



This preview shows how white text looks on a background with the Yxy color 35.9106, 0.3016, 0.2409.

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

35.9106, 0.3016, 0.2409

Protanopia

36.4058, 0.2464, 0.2389

Deuteranopia

36.0787, 0.2644, 0.2584



Tritanopia

35.8539, 0.3420, 0.3131

Trichromacy



Original Color

35.9106, 0.3016, 0.2409

Protanomaly

35.7916, 0.2640, 0.2386

Deuteranomaly

35.5348, 0.2767, 0.2505

Tritanomaly

35.7142, 0.3269, 0.2838

Monochromacy



Original Color

35.9106, 0.3016, 0.2409

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.9978, 0.3096, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9106, 0.3016, 0.2409 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(198, 141, 214)` looks like.

```
.text, #text, p{  
    color:rgb(198, 141, 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(198, 141, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 141, 214) }
```

Border

The CSS property to change the border of an element to Yxy 35.9106, 0.3016, 0.2409 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(198, 141, 214) }
```

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

```
.border{ border-color:rgb(198, 141, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 141, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 141, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 141, 214);  
box-shadow:4px 4px 4px 4px rgb(198, 141,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9106, 0.3016, 0.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 141, 214) }
```

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

```
.background{ background-color: rgb(198,  
141, 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](#).

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