

Converting Colors

$Y_{xy}(36.8789, 0.2915, 0.2536)$

Have a look what the booklet for
Yxy(36.8789, 0.2915, 0.2536)
contains.

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Color

Yxy(36.9767, 0.2922, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	B897D2
RGB	184, 151, 210
RGB Percent	72%, 59%, 82%
CMY	0.2787, 0.4077, 0.1765
CMYK	0.12, 0.28, 0.00, 0.18
HSL	273°, 40%, 71%
HSV	273°, 28%, 82%
XYZ	42.4542, 36.9767, 65.8607
YIQ	167.5930, 0.7290, 25.3450

Conversions

Conversions Part 2

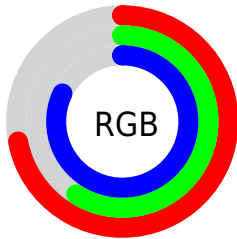
Format	Color
RYB	184, 151, 210
Decimal	12097490
CIELab	67.26, 23.33, -25.59
CIELCh	67, 34.629, 312.352
Yxy	36.9767, 0.2922, 0.2545
Android (android.graphics.Color)	4290287570 (0xFFB897D2)
YUV	167.5930, 20.9067, 14.3889
Hunter-Lab	60.8085, 18.2072, -21.6501

Details

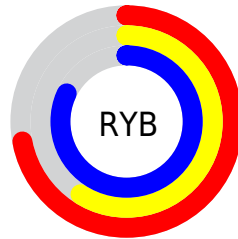
The Yxy color $36.9767, 0.2922, 0.2545$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $57.6755, 0.3285, 0.4050$, and the grayscale version is $38.8421, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.5834, 0.3049, 0.2786$, and $16.2267, 0.2852, 0.2351$ is the 20% darker color. If you saturate the color by 10%, you get $29.7013, 0.2827, 0.2256$, and if you desaturate by 10%, it is $45.5340, 0.3005, 0.2825$.

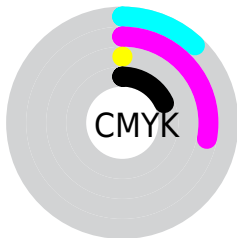
Distribution



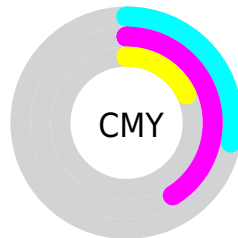
- Red (72%)
- Green (59%)
- Blue (82%)



- Red (72%)
- Yellow (59%)
- Blue (82%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)





- Cyan (28%)
- Magenta (41%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9767, 0.2922, 0.2545 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 36.9767, 0.2922, 0.2545 by changing the saturation by 10% instead.


 36.9767, 0.2922,
0.2545


 36.9767, 0.2922,
0.2545


333.2096, 0.3034,
0.2911

 25.1895, 0.2891,
0.2456


 70.5369, 0.2965,
0.2676

 16.2183, 0.2851,
0.2345


 93.0787, 0.2980,
0.2726

 9.6787, 0.2794,
0.2199


119.9742, 0.2993,
0.2768

 5.1865, 0.2712,
0.2003

151.6076, 0.3004,
0.2804

 2.3571, 0.2581,
0.1728

188.3635, 0.3013,
0.2836

 0.8037, 0.2354,
0.1318

230.6262, 0.3021,

 0.0000, 0.1537,

0.2864

0.0000

278.7801, 0.3028,
0.2889

0.0000, 0.0000,
0.0000

36.9767, 0.2922,
0.2545

36.9767, 0.2922,
0.2545

29.7013, 0.2827,
0.2256

45.5340, 0.3005,
0.2825

23.6380, 0.2722,
0.1968

55.4292, 0.3077,
0.3090

18.7169, 0.2608,
0.1692

66.7205, 0.3138,
0.3336

14.8592, 0.2490,
0.1443

79.4610, 0.3189,
0.3560

11.9755, 0.2372,
0.1234

93.0481, 0.3233,
0.3754

■ 9.9610, 0.2258,
0.1075

■ 94.6266, 0.3293,
0.3745

■ 8.6630, 0.2153,
0.0967

■ 96.2881, 0.3353,
0.3737

■ 8.4501, 0.2134,
0.0949

■ 97.4323, 0.3394,
0.3731

Harmonies

Analogous

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



36.9767, 0.2486, 0.2460



36.9767, 0.2922, 0.2545



36.9767, 0.3454, 0.2791

Triad

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



36.9767, 0.2922, 0.2545



36.9767, 0.4090, 0.3947



36.9767, 0.2376, 0.3364

Complementary

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



36.9767, 0.2922, 0.2545



57.6755, 0.3285, 0.4050

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.



36.9767, 0.2760, 0.3878



36.9767, 0.2922, 0.2545



36.9767, 0.3753, 0.4203

Square

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



36.9767, 0.2922, 0.2545



36.9767, 0.4162, 0.3561



36.9767, 0.3263, 0.4200



36.9767, 0.2193, 0.2880

Rectangle

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



36.9767, 0.2922, 0.2545



36.9767, 0.3785, 0.3022



36.9767, 0.3263, 0.4200



36.9767, 0.2484, 0.3543

Sweetspot

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



36.9782, 0.2922, 0.2545



85.9987, 0.3077, 0.3090



42.8999, 0.2678, 0.2855



17.8779, 0.3067, 0.3051



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.



36.9782, 0.2922, 0.2545



50.0424, 0.2864, 0.2363



40.3486, 0.3186, 0.2628



11.7384, 0.3068, 0.3056



5.2158, 0.2148, 0.0957



0.3382, 0.2336, 0.1061

Inverse Universe

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



39.0190, 0.3470, 0.2970



53.8615, 0.3575, 0.2895



54.9992, 0.3070, 0.4055



11.8938, 0.3222, 0.3188



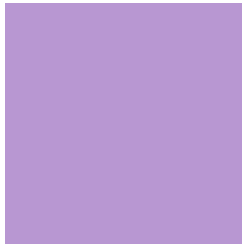
8.8568, 0.5189, 0.2632



0.5111, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 36.9767, 0.2922, 0.2545 looks on a white background.

Color Contrast Check

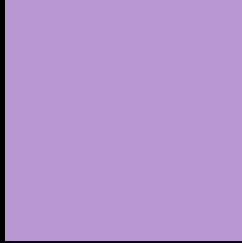
Large Text (above 18pt) WCAG AA × Fail

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 36.9767, 0.2922, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

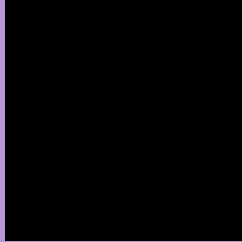
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9767, 0.2922, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 36.9767, 0.2922, 0.2545.



This preview shows how white text looks on a background with the Yxy color 36.9767, 0.2922, 0.2545.

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

36.9767, 0.2922, 0.2545

Protanopia

37.1985, 0.2579, 0.2539

Deuteranopia

37.2119, 0.2715, 0.2656



Tritanopia

36.8590, 0.3203, 0.3112

Trichromacy



Original Color

36.9767, 0.2922, 0.2545

Protanomaly

36.9371, 0.2694, 0.2539

Deuteranomaly

36.9329, 0.2786, 0.2605

Tritanomaly

36.6488, 0.3098, 0.2889

Monochromacy



Original Color

36.9767, 0.2922, 0.2545

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.2582, 0.3057, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9767, 0.2922, 0.2545 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(184, 151, 210)` looks like.

```
.text, #text, p{  
    color:rgb(184, 151, 210)  
}
```

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(184, 151, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 151, 210) }
```

Border

The CSS property to change the border of an element to Yxy 36.9767, 0.2922, 0.2545 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(184, 151, 210) }
```

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

```
.border{ border-color:rgb(184, 151, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 151, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 151, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 151, 210);  
box-shadow:4px 4px 4px 4px rgb(184, 151,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9767, 0.2922, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 151, 210) }
```

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

```
.background{ background-color: rgb(184,  
151, 210) }
```

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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