

Converting Colors

$Yxy(36.8451, 0.2924, 0.2497)$

Have a look what the booklet for
Yxy(36.8451, 0.2924, 0.2497)
contains.

Yxy(36.8638, 0.2924, 0.2492)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8638, 0.2924, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	BB95D5
RGB	187, 149, 213
RGB Percent	73%, 58%, 84%
CMY	0.2667, 0.4157, 0.1646
CMYK	0.12, 0.30, 0.00, 0.16
HSL	276°, 43%, 71%
HSV	276°, 30%, 84%
XYZ	43.2543, 36.8638, 67.8105
YIQ	167.6580, 2.1040, 27.9600

Conversions

Conversions Part 2

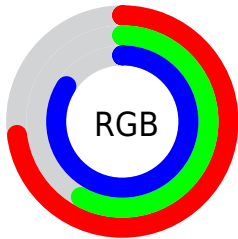
Format	Color
R _Y B	187, 149, 213
Decimal	12293589
CIE Lab	67.17, 26.08, -27.39
CIE LCh	67, 37.821, 313.596
Yxy	36.8638, 0.2924, 0.2492
Android (android.graphics.Color)	4290483669 (0xFFBB95D5)
YUV	167.6580, 22.3536, 16.9629
Hunter-Lab	60.7156, 20.9128, -23.7174

Details

The Yxy color **36.8638, 0.2924, 0.2492** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.8953, 0.3278, 0.4115**, and the grayscale version is **38.8705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1650, 0.3071, 0.2769**, and **16.1905, 0.2854, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **29.6699, 0.2835, 0.2206**, and if you desaturate by 10%, it is **45.3596, 0.3002, 0.2772**.

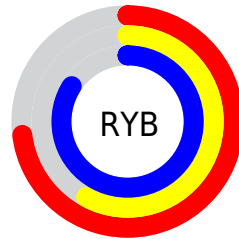
Distribution



Red (73%)

Green (58%)

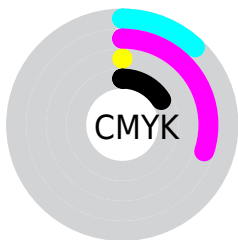
Blue (84%)



Red (73%)

Yellow (58%)

Blue (84%)

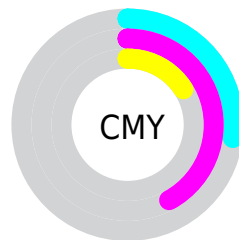


Cyan (12%)

Magenta (30%)

Yellow (0%)

Black (16%)



Cyan (27%)


Magenta (42%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8638, 0.2924, 0.2492 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 36.8638, 0.2924, 0.2492 by changing the saturation by 10% instead.


 36.8638, 0.2924,
0.2492


 36.8638, 0.2924,
0.2492


332.7205, 0.3036,
0.2881

 25.1021, 0.2893,
0.2398


 70.3633, 0.2967,
0.2631

 16.1531, 0.2852,
0.2281


 92.8698, 0.2982,
0.2684

 9.6326, 0.2795,
0.2128


119.7266, 0.2995,
0.2729

 5.1560, 0.2711,
0.1925

151.3183, 0.3006,
0.2768

 2.3391, 0.2579,
0.1641

188.0291, 0.3015,
0.2802

 0.7943, 0.2349,
0.1227

230.2435, 0.3023,


 0.0000, 0.1654,


0.2832


0.0000


278.3458, 0.3030,
0.2858

 0.0000, 0.0000,
0.0000


 36.8638, 0.2924,
0.2492


 36.8638, 0.2924,
0.2492

 29.6699, 0.2835,
0.2206


 45.3596, 0.3002,
0.2772

 23.7048, 0.2737,
0.1924


 55.2159, 0.3070,
0.3039


 18.8952, 0.2631,
0.1659


 66.4935, 0.3127,
0.3289


 15.1577, 0.2521,
0.1423


 79.2477, 0.3175,
0.3518


 12.3974, 0.2412,
0.1230

 93.2003, 0.3215,
0.3722

 10.5018, 0.2306,
0.1087

 94.6719, 0.3271,
0.3714

 9.2732, 0.2209,
0.0990

 96.2157, 0.3327,
0.3707

 97.5860, 0.3375,
0.3700

Harmonies

Analogous

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



36.8638, 0.2446, 0.2391



36.8638, 0.2924, 0.2492



36.8638, 0.3506, 0.2763

Triad

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



36.8638, 0.2924, 0.2492



36.8638, 0.4166, 0.4013



36.8638, 0.2297, 0.3343

Complementary

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



36.8638, 0.2924, 0.2492



58.8953, 0.3278, 0.4115

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.



36.8638, 0.2703, 0.3916



36.8638, 0.2924, 0.2492



36.8638, 0.3784, 0.4293

Square

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



36.8638, 0.2924, 0.2492



36.8638, 0.4261, 0.3595



36.8638, 0.3246, 0.4284



36.8638, 0.2112, 0.2820

Rectangle

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



36.8638, 0.2924, 0.2492



36.8638, 0.3867, 0.3013



36.8638, 0.3246, 0.4284



36.8638, 0.2410, 0.3540

Sweetspot

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



36.8653, 0.2924, 0.2492



84.4943, 0.3076, 0.3064



42.1215, 0.2641, 0.2790



17.5847, 0.3067, 0.3026



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.



36.8653, 0.2924, 0.2492



48.3406, 0.2869, 0.2312



40.1857, 0.3210, 0.2603



12.3693, 0.3074, 0.3056



5.7233, 0.2222, 0.0998



0.3930, 0.2390, 0.1090

Inverse Universe

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



38.7430, 0.3525, 0.2973



51.7203, 0.3642, 0.2904



56.3409, 0.3053, 0.4089



12.5037, 0.3228, 0.3196



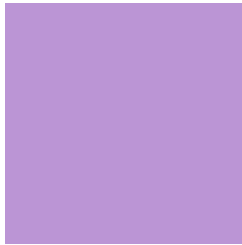
9.0766, 0.5337, 0.2714



0.5636, 0.4885, 0.2464

Previews

White Background



This preview shows how the Yxy color 36.8638, 0.2924, 0.2492 looks on a white background.

Color Contrast Check

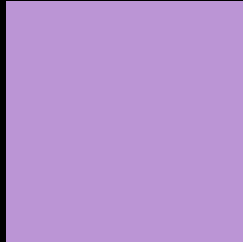
Large Text (above 18pt) WCAG AA × Fail

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 36.8638, 0.2924, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

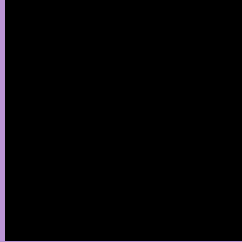
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8638, 0.2924, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 36.8638, 0.2924, 0.2492.



This preview shows how white text looks on a background with the Yxy color 36.8638, 0.2924, 0.2492.

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

36.8638, 0.2924, 0.2492

Protanopia

37.2256, 0.2539, 0.2490

Deuteranopia

37.1614, 0.2678, 0.2617



Tritanopia

36.7195, 0.3233, 0.3113

Trichromacy



Original Color

36.8638, 0.2924, 0.2492

Protanomaly

36.8055, 0.2665, 0.2480

Deuteranomaly

37.0829, 0.2763, 0.2570

Tritanomaly

36.7237, 0.3118, 0.2867

Monochromacy



Original Color

36.8638, 0.2924, 0.2492

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.0644, 0.3058, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8638, 0.2924, 0.2492 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(187, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(187, 149, 213)  
}
```

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(187, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 149, 213) }
```

Border

The CSS property to change the border of an element to Yxy 36.8638, 0.2924, 0.2492 is called "border". The border property can be set on classes, ids or directly on the HTML element.

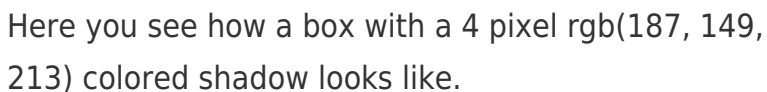
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 149, 213) }
```

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

```
.border{ border-color:rgb(187, 149, 213) }
```

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



Here you see how a box with a 4 pixel rgb(187, 149, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(187, 149,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8638, 0.2924, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 149, 213) }
```

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

```
.background{ background-color: rgb(187,  
149, 213) }
```

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