

Converting Colors

$Y_{xy}(36.2592, 0.2932, 0.2556)$

Have a look what the booklet for
Yxy(36.2592, 0.2932, 0.2556)
contains.

Yxy(36.3850, 0.2938, 0.2563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.3850, 0.2938, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	B796CF
RGB	183, 150, 207
RGB Percent	72%, 59%, 81%
CMY	0.2821, 0.4118, 0.1882
CMYK	0.12, 0.28, 0.00, 0.19
HSL	275°, 37%, 70%
HSV	275°, 28%, 81%
XYZ	41.7086, 36.3850, 63.8689
YIQ	166.3650, 1.3710, 24.7230

Conversions

Conversions Part 2

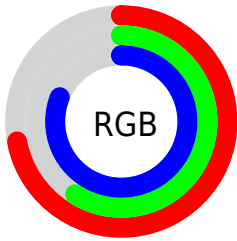
Format	Color
RYB	183, 150, 207
Decimal	12031695
CIELab	66.81, 23.00, -24.64
CIELCh	67, 33.707, 313.033
Yxy	36.3850, 0.2938, 0.2563
Android (android.graphics.Color)	4290221775 (0xFFB796CF)
YUV	166.3650, 20.0331, 14.5889
Hunter-Lab	60.3200, 17.8649, -20.5544

Details

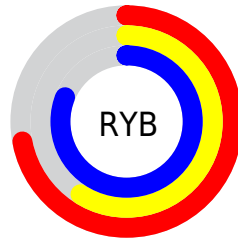
The Yxy color **36.3850, 0.2938, 0.2563** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.8296, 0.3272, 0.4036**, and the grayscale version is **38.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7565, 0.3035, 0.2773**, and **15.8578, 0.2872, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **29.3197, 0.2849, 0.2277**, and if you desaturate by 10%, it is **44.6864, 0.3016, 0.2841**.

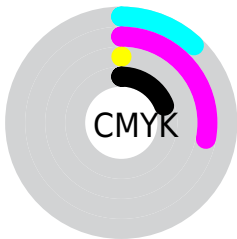
Distribution



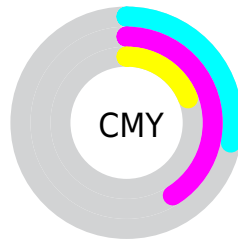
- Red (72%)
- Green (59%)
- Blue (81%)



- Red (72%)
- Yellow (59%)
- Blue (81%)



- Cyan (12%)
- Magenta (28%)
- Yellow (0%)
- Black (19%)





- Cyan (28%)
- Magenta (41%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3850, 0.2938, 0.2563 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 36.3850, 0.2938, 0.2563 by changing the saturation by 10% instead.

 36.3850, 0.2938,
0.2563


 36.3850, 0.2938,
0.2563


330.6402, 0.3042,
0.2921

 24.7317, 0.2909,
0.2476


 69.6259, 0.2978,
0.2692

 15.8773, 0.2871,
0.2365


 91.9823, 0.2992,
0.2740

 9.4373, 0.2818,
0.2221


118.6751, 0.3004,
0.2782

 5.0275, 0.2739,
0.2026

150.0888, 0.3014,
0.2818

 2.2634, 0.2614,
0.1750

186.6078, 0.3022,
0.2849

 0.7542, 0.2393,
0.1329

228.6164, 0.3030,

 0.0000, 0.1401,

0.2876

0.0000

276.4991, 0.3036,
0.2900

0.0000, 0.0000,
0.0000

36.3850, 0.2938,
0.2563

36.3850, 0.2938,
0.2563

29.3197, 0.2849,
0.2277

44.6864, 0.3016,
0.2841

23.4233, 0.2750,
0.1991

54.2772, 0.3083,
0.3104

18.6290, 0.2642,
0.1719

65.2135, 0.3140,
0.3348

14.8612, 0.2530,
0.1472

77.5463, 0.3188,
0.3572

12.0346, 0.2416,
0.1264

91.3241, 0.3227,
0.3774

10.0492, 0.2307,
0.1106

93.7297, 0.3282,
0.3780

8.7658, 0.2205,
0.0998

95.2487, 0.3339,
0.3772

8.5019, 0.2181,
0.0975

96.8412, 0.3396,
0.3763

97.2860, 0.3412,
0.3760

Harmonies

Analogous

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



36.3850, 0.2507, 0.2476



36.3850, 0.2938, 0.2563



36.3850, 0.3459, 0.2808

Triad

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



36.3850, 0.2938, 0.2563



36.3850, 0.4066, 0.3942



36.3850, 0.2385, 0.3352

Complementary

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



36.3850, 0.2938, 0.2563



55.8296, 0.3272, 0.4036

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.



36.3850, 0.2758, 0.3854



36.3850, 0.2938, 0.2563



36.3850, 0.3731, 0.4187

Square

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



36.3850, 0.2938, 0.2563



36.3850, 0.4141, 0.3566



36.3850, 0.3250, 0.4175



36.3850, 0.2209, 0.2881

Rectangle

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



36.3850, 0.2938, 0.2563



36.3850, 0.3781, 0.3036



36.3850, 0.3250, 0.4175



36.3850, 0.2490, 0.3526

Sweetspot

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



36.3865, 0.2938, 0.2563



86.0783, 0.3080, 0.3090



41.5307, 0.2685, 0.2852



17.8979, 0.3070, 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.



36.3865, 0.2938, 0.2563



51.4493, 0.2887, 0.2396



39.3971, 0.3193, 0.2652



11.7513, 0.3072, 0.3056



5.4121, 0.2194, 0.0982



0.3487, 0.2376, 0.1083

Inverse Universe

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



38.1288, 0.3474, 0.2992



54.7955, 0.3574, 0.2925



53.4438, 0.3065, 0.4024



11.8895, 0.3226, 0.3193



8.8090, 0.5279, 0.2682



0.5082, 0.4808, 0.2422

Previews

White Background



This preview shows how the Yxy color 36.3850, 0.2938, 0.2563 looks on a white background.

Color Contrast Check

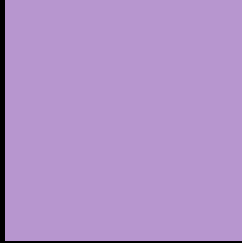
Large Text (above 18pt) WCAG AA × Fail

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 36.3850, 0.2938, 0.2563 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 36.3850, 0.2938, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 36.3850, 0.2938, 0.2563.



This preview shows how white text looks on a background with the Yxy color 36.3850, 0.2938, 0.2563.

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

36.3850, 0.2938, 0.2563

Protanopia

36.6919, 0.2597, 0.2560

Deuteranopia

36.6173, 0.2727, 0.2677



Tritanopia

36.3256, 0.3213, 0.3125

Trichromacy



Original Color

36.3850, 0.2938, 0.2563

Protanomaly

36.4445, 0.2714, 0.2560

Deuteranomaly

36.3402, 0.2799, 0.2625

Tritanomaly

36.1138, 0.3107, 0.2900

Monochromacy



Original Color

36.3850, 0.2938, 0.2563

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.2485, 0.3056, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3850, 0.2938, 0.2563 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(183, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 207)  
}
```

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(183, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.3850, 0.2938, 0.2563 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(183, 150, 207) }
```

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

```
.border{ border-color:rgb(183, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(183, 150,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3850, 0.2938, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 207) }
```

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

```
.background{ background-color: rgb(183,  
150, 207) }
```

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