

Converting Colors

$Y_{xy}(36.7807, 0.2964, 0.2600)$

Have a look what the booklet for
Yxy(36.7807, 0.2964, 0.2600)
contains.

Yxy(36.7313, 0.2964, 0.2601)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7313, 0.2964, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	B897CD
RGB	184, 151, 205
RGB Percent	72%, 59%, 80%
CMY	0.2783, 0.4079, 0.1961
CMYK	0.10, 0.26, 0.00, 0.20
HSL	277°, 35%, 70%
HSV	277°, 26%, 80%
XYZ	41.8576, 36.7313, 62.6310
YIQ	167.0230, 2.3340, 23.7900

Conversions

Conversions Part 2

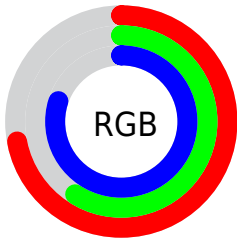
Format	Color
RYB	184, 151, 205
Decimal	12097485
CIELab	67.07, 22.33, -23.10
CIELCh	67, 32.124, 314.025
Yxy	36.7313, 0.2964, 0.2601
Android (android.graphics.Color)	4290287565 (0xFFB897CD)
YUV	167.0230, 18.7227, 14.8888
Hunter-Lab	60.6064, 17.2193, -18.8463

Details

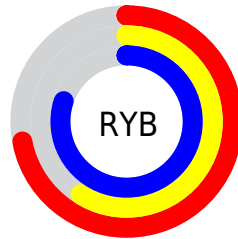
The Yxy color **36.7313, 0.2964, 0.2601** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.6536, 0.3253, 0.4002**, and the grayscale version is **38.5636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4079, 0.3042, 0.2785**, and **16.0945, 0.2896, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **29.7439, 0.2884, 0.2319**, and if you desaturate by 10%, it is **44.9241, 0.3034, 0.2875**.

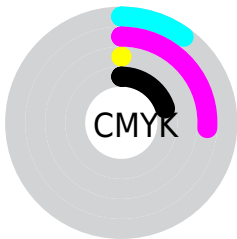
Distribution



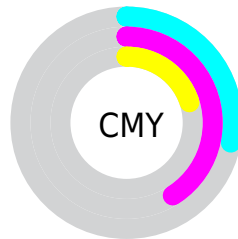
- Red (72%)
- Green (59%)
- Blue (80%)



- Red (72%)
- Yellow (59%)
- Blue (80%)



- Cyan (10%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)





- Cyan (28%)
- Magenta (41%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7313, 0.2964, 0.2601 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 36.7313, 0.2964, 0.2601 by changing the saturation by 10% instead.


 36.7313, 0.2964,
0.2601


 36.7313, 0.2964,
0.2601


332.1457, 0.3054,
0.2941

 24.9995, 0.2939,
0.2518


 70.1593, 0.2999,
0.2723

 16.0767, 0.2906,
0.2413


 92.6244, 0.3011,
0.2770

 9.5784, 0.2859,
0.2275


119.4359, 0.3021,
0.2809

 5.1204, 0.2790,
0.2088

150.9785, 0.3030,
0.2843

 2.3181, 0.2678,
0.1821

187.6363, 0.3037,
0.2872

 0.7832, 0.2479,
0.1414

229.7939, 0.3044,

 0.0000, 0.1549,

0.2898

0.0000

277.8355, 0.3049,
0.2921

0.0000, 0.0000,
0.0000

36.7313, 0.2964,
0.2601

36.7313, 0.2964,
0.2601

29.7439, 0.2884,
0.2319

44.9241, 0.3034,
0.2875

23.8970, 0.2794,
0.2037

54.3736, 0.3094,
0.3135

19.1265, 0.2696,
0.1768

65.1337, 0.3145,
0.3376

15.3599, 0.2592,
0.1523

77.2538, 0.3187,
0.3598

12.5155, 0.2487,
0.1316

90.7807, 0.3221,
0.3799

■ 10.4982, 0.2384,
0.1157

■ 93.0423, 0.3271,
0.3805

■ 9.1870, 0.2287,
0.1047

■ 94.4018, 0.3323,
0.3797

■ 8.8008, 0.2252,
0.1014

■ 95.8223, 0.3375,
0.3788

■ 97.1870, 0.3424,
0.3781

Harmonies

Analogous

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



36.7313, 0.2548, 0.2513



36.7313, 0.2964, 0.2601



36.7313, 0.3459, 0.2840

Triad

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



36.7313, 0.2964, 0.2601



36.7313, 0.4013, 0.3925



36.7313, 0.2411, 0.3334

Complementary

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



36.7313, 0.2964, 0.2601



54.6536, 0.3253, 0.4002

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.



36.7313, 0.2763, 0.3810



36.7313, 0.2964, 0.2601



36.7313, 0.3690, 0.4147

Square

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



36.7313, 0.2964, 0.2601



36.7313, 0.4093, 0.3570



36.7313, 0.3230, 0.4122



36.7313, 0.2249, 0.2891

Rectangle

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



36.7313, 0.2964, 0.2601



36.7313, 0.3762, 0.3061



36.7313, 0.3230, 0.4122



36.7313, 0.2510, 0.3498

Sweetspot

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



36.7328, 0.2964, 0.2601



86.1974, 0.3084, 0.3090



40.7158, 0.2704, 0.2849



17.9279, 0.3075, 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.



36.7328, 0.2964, 0.2601



53.0025, 0.2916, 0.2430



39.2588, 0.3206, 0.2700



11.1780, 0.3077, 0.3057



5.5360, 0.2265, 0.1022



0.3286, 0.2449, 0.1123

Inverse Universe

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



38.0844, 0.3472, 0.3027



55.7116, 0.3579, 0.2963



52.6476, 0.3056, 0.3961



11.2845, 0.3230, 0.3200



8.4537, 0.5407, 0.2752



0.4509, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 36.7313, 0.2964, 0.2601 looks on a white background.

Color Contrast Check

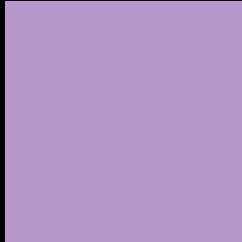
Large Text (above 18pt) WCAG AA × Fail

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 36.7313, 0.2964, 0.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

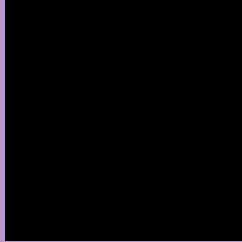
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7313, 0.2964, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 36.7313, 0.2964, 0.2601.



This preview shows how white text looks on a background with the Yxy color 36.7313, 0.2964, 0.2601.

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

36.7313, 0.2964, 0.2601

Protanopia

37.1288, 0.2627, 0.2600

Deuteranopia

36.8243, 0.2766, 0.2706



Tritanopia

36.9397, 0.3222, 0.3126

Trichromacy



Original Color

36.7313, 0.2964, 0.2601

Protanomaly

36.7882, 0.2738, 0.2598

Deuteranomaly

36.7984, 0.2832, 0.2665

Tritanomaly

36.6853, 0.3126, 0.2916

Monochromacy



Original Color

36.7313, 0.2964, 0.2601

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.7102, 0.3065, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7313, 0.2964, 0.2601 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(184, 151, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 151, 205) }
```

Border

The CSS property to change the border of an element to Yxy 36.7313, 0.2964, 0.2601 is called "border". The border property can be set on classes, ids or directly on the HTML element.

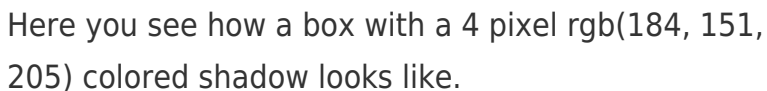
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 151, 205) }
```

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

```
.border{ border-color:rgb(184, 151, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 151, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 151, 205);  
box-shadow:4px 4px 4px 4px rgb(184, 151,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7313, 0.2964, 0.2601 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, 205) }
```

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

```
.background{ background-color: rgb(184,  
151, 205) }
```

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