

Converting Colors

$Y_{xy}(36.7861, 0.2943, 0.2611)$

Have a look what the booklet for
Yxy(36.7861, 0.2943, 0.2611)
contains.

Yxy(36.8093, 0.2946, 0.2610)	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(36.8093, 0.2946, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	B698CD
RGB	182, 152, 205
RGB Percent	71%, 60%, 80%
CMY	0.2861, 0.4040, 0.1961
CMYK	0.11, 0.26, 0.00, 0.20
HSL	274°, 35%, 70%
HSV	274°, 26%, 80%
XYZ	41.5480, 36.8093, 62.6745
YIQ	167.0120, 0.8670, 22.8430

Conversions

Conversions Part 2

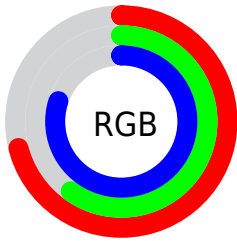
Format	Color
RYB	182, 152, 205
Decimal	11966669
CIELab	67.13, 21.13, -23.04
CIELCh	67, 31.260, 312.532
Yxy	36.8093, 0.2946, 0.2610
Android (android.graphics.Color)	4290156749 (0xFFB698CD)
YUV	167.0120, 18.7281, 13.1445
Hunter-Lab	60.6707, 16.0652, -18.7788

Details

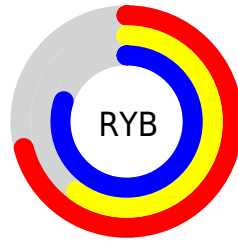
The Yxy color **36.8093, 0.2946, 0.2610** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.0377, 0.3269, 0.3984**, and the grayscale version is **38.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5398, 0.3028, 0.2793**, and **16.2089, 0.2884, 0.2423** is the 20% darker color. If you saturate the color by 10%, you get **29.6754, 0.2856, 0.2324**, and if you desaturate by 10%, it is **45.1649, 0.3025, 0.2886**.

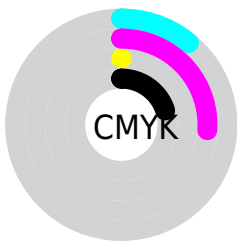
Distribution



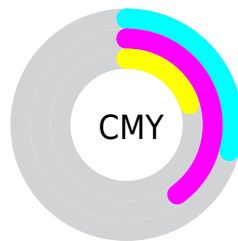
- Red (71%)
- Green (60%)
- Blue (80%)



- Red (71%)
- Yellow (60%)
- Blue (80%)



- Cyan (11%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)




- Cyan (29%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8093, 0.2946, 0.2610 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 36.8093, 0.2946, 0.2610 by changing the saturation by 10% instead.


 36.8093, 0.2946,
0.2610


 36.8093, 0.2946,
0.2610


332.4842, 0.3045,
0.2946

 25.0599, 0.2919,
0.2528


 70.2794, 0.2984,
0.2731

 16.1217, 0.2883,
0.2424


 92.7688, 0.2997,
0.2777

 9.6103, 0.2833,
0.2287


119.6071, 0.3009,
0.2816

 5.1413, 0.2758,
0.2101

151.1785, 0.3018,
0.2849

 2.3304, 0.2640,
0.1836

187.8676, 0.3026,
0.2878

 0.7897, 0.2430,
0.1430

230.0586, 0.3033,

 0.0000, 0.1417,

0.2903

0.0000

278.1360, 0.3039,
0.2926

0.0000, 0.0000,
0.0000

36.8093, 0.2946,
0.2610

36.8093, 0.2946,
0.2610

29.6754, 0.2856,
0.2324

45.1649, 0.3025,
0.2886

23.6980, 0.2755,
0.2036

54.7936, 0.3092,
0.3146

18.8130, 0.2646,
0.1758

65.7495, 0.3150,
0.3387

14.9478, 0.2531,
0.1503

78.0822, 0.3197,
0.3607

12.0209, 0.2414,
0.1286

91.8387, 0.3237,
0.3806

■ 9.9374, 0.2301,
0.1116

■ 93.6414, 0.3294,
0.3801

■ 8.5799, 0.2195,
0.0999

■ 95.1926, 0.3352,
0.3792

■ 8.1384, 0.2154,
0.0960

■ 96.8202, 0.3411,
0.3782

■ 97.1880, 0.3424,
0.3780

Harmonies

Analogous

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



36.8093, 0.2547, 0.2533



36.8093, 0.2946, 0.2610



36.8093, 0.3427, 0.2837

Triad

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



36.8093, 0.2946, 0.2610



36.8093, 0.4000, 0.3894



36.8093, 0.2443, 0.3357

Complementary

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



36.8093, 0.2946, 0.2610



55.0377, 0.3269, 0.3984

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.



36.8093, 0.2794, 0.3815



36.8093, 0.2946, 0.2610



36.8093, 0.3696, 0.4118

Square

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



36.8093, 0.2946, 0.2610



36.8093, 0.4062, 0.3545



36.8093, 0.3252, 0.4106



36.8093, 0.2275, 0.2921

Rectangle

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



36.8093, 0.2946, 0.2610



36.8093, 0.3725, 0.3050



36.8093, 0.3252, 0.4106



36.8093, 0.2543, 0.3517

Sweetspot

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



36.8108, 0.2946, 0.2610



86.0312, 0.3078, 0.3090



41.7262, 0.2714, 0.2882



17.8860, 0.3068, 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.



36.8108, 0.2946, 0.2610



53.5884, 0.2898, 0.2452



39.6704, 0.3189, 0.2691



11.1526, 0.3070, 0.3057



5.1234, 0.2168, 0.0968



0.3086, 0.2366, 0.1077

Inverse Universe

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



38.5240, 0.3440, 0.3003



56.9528, 0.3529, 0.2938



52.7225, 0.3069, 0.3972



11.2930, 0.3223, 0.3190



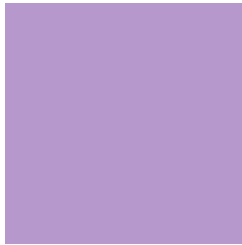
8.5447, 0.5223, 0.2651



0.4559, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 36.8093, 0.2946, 0.2610 looks on a white background.

Color Contrast Check

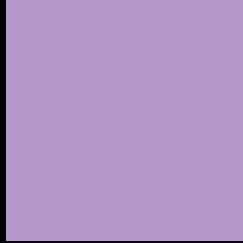
Large Text (above 18pt) WCAG AA × Fail

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 36.8093, 0.2946, 0.2610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

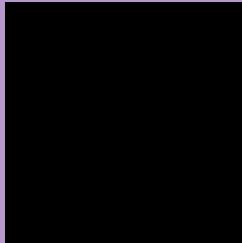
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8093, 0.2946, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 36.8093, 0.2946, 0.2610.



This preview shows how white text looks on a background with the Yxy color 36.8093, 0.2946, 0.2610.

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

36.8093, 0.2946, 0.2610

Protanopia

37.0782, 0.2634, 0.2612

Deuteranopia

36.8243, 0.2766, 0.2706



Tritanopia

36.7411, 0.3193, 0.3111

Trichromacy



Original Color

36.8093, 0.2946, 0.2610

Protanomaly

36.7386, 0.2745, 0.2610

Deuteranomaly

36.6891, 0.2824, 0.2664

Tritanomaly

36.7795, 0.3106, 0.2927

Monochromacy



Original Color

36.8093, 0.2946, 0.2610

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.9475, 0.3056, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8093, 0.2946, 0.2610 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(182, 152, 205)` looks like.

```
.text, #text, p{  
    color:rgb(182, 152, 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(182, 152, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 152, 205) }
```

Border

The CSS property to change the border of an element to Yxy 36.8093, 0.2946, 0.2610 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(182, 152, 205) }
```

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

```
.border{ border-color:rgb(182, 152, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 152, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 152, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 152, 205);  
box-shadow:4px 4px 4px 4px rgb(182, 152,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8093, 0.2946, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 152, 205) }
```

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

```
.background{ background-color: rgb(182,  
152, 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