

# Converting Colors

$Yxy(37.6749, 0.2992, 0.2752)$

Have a look what the booklet for  
Yxy(37.6749, 0.2992, 0.2752)  
contains.

<b>Yxy(37.5574, 0.2986, 0.2742)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(37.5574, 0.2986, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B49CC6
RGB	180, 156, 198
RGB Percent	71%, 61%, 78%
CMY	0.2942, 0.3882, 0.2236
CMYK	0.09, 0.21, 0.00, 0.22
HSL	274°, 27%, 69%
HSV	274°, 21%, 78%
XYZ	40.8995, 37.5574, 58.5139
YIQ	167.9640, 0.8220, 18.1500

# Conversions

## Conversions Part 2

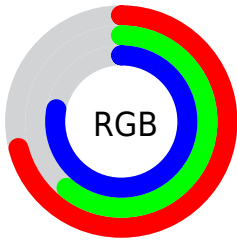
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 156, 198
Decimal	11836614
CIELab	67.69, 16.74, -18.30
CIElCh	68, 24.802, 312.436
Yxy	37.5574, 0.2986, 0.2742
Android (android.graphics.Color)	4290026694 (0xFFB49CC6)
YUV	167.9640, 14.8077, 10.5556
Hunter-Lab	61.2841, 11.8793, -13.7111

# Details

The Yxy color **37.5574, 0.2986, 0.2742** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.7862, 0.3243, 0.3848**, and the grayscale version is **39.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6414, 0.3013, 0.2843**, and **16.6288, 0.2940, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **30.4580, 0.2902, 0.2460**, and if you desaturate by 10%, it is **45.8055, 0.3059, 0.3011**.

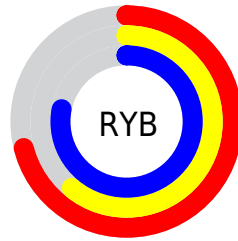
# Distribution



Red (71%)

Green (61%)

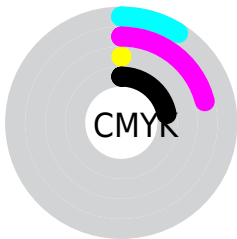
Blue (78%)



Red (71%)

Yellow (61%)

Blue (78%)

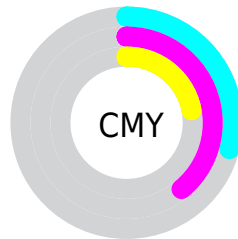


Cyan (9%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (39%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5574, 0.2986, 0.2742 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 37.5574, 0.2986, 0.2742 by changing the saturation by 10% instead.





 37.5574, 0.2986,  
0.2742


 37.5574, 0.2986,  
0.2742


335.7175, 0.3062,  
0.3015

 25.6394, 0.2965,  
0.2674


 71.4292, 0.3015,  
0.2841

 16.5540, 0.2937,  
0.2588

 94.1518, 0.3026,  
0.2878

 9.9170, 0.2899,  
0.2474


121.2447, 0.3034,  
0.2910

 5.3440, 0.2842,  
0.2316

153.0923, 0.3042,  
0.2937

 2.4505, 0.2750,  
0.2086

190.0790, 0.3048,  
0.2960

 0.8517, 0.2582,  
0.1722

232.5891, 0.3053,

 0.0000, 0.1420,

0.2981

0.0000

281.0072, 0.3058,  
0.2999

0.0000, 0.0000,  
0.0000

37.5574, 0.2986,  
0.2742

37.5574, 0.2986,  
0.2742

30.4580, 0.2902,  
0.2460

45.8055, 0.3059,  
0.3011

24.4491, 0.2808,  
0.2173

55.2475, 0.3120,  
0.3261

19.4743, 0.2703,  
0.1890

65.9319, 0.3172,  
0.3492

15.4702, 0.2592,  
0.1624

77.9031, 0.3216,  
0.3701

12.3663, 0.2476,  
0.1388

91.1980, 0.3251,  
0.3890

10.0819, 0.2362,  
0.1196

92.5770, 0.3306,  
0.3880

8.5213, 0.2253,  
0.1054

94.0245, 0.3362,  
0.3870

7.5907, 0.2164,  
0.0966

95.5415, 0.3419,  
0.3859

96.8568, 0.3466,  
0.3850

# Harmonies

## Analogous

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



37.5574, 0.2665, 0.2683



37.5574, 0.2986, 0.2742



37.5574, 0.3365, 0.2926

# Triad

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



37.5574, 0.2986, 0.2742



37.5574, 0.3818, 0.3777



37.5574, 0.2584, 0.3349

# Complementary

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



37.5574, 0.2986, 0.2742



51.7862, 0.3243, 0.3848

# 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.



37.5574, 0.2869, 0.3699



37.5574, 0.2986, 0.2742



37.5574, 0.3583, 0.3943

# Square

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



37.5574, 0.2986, 0.2742



37.5574, 0.3862, 0.3503



37.5574, 0.3233, 0.3923



37.5574, 0.2444, 0.3006



# Rectangle

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



37.5574, 0.2986, 0.2742



37.5574, 0.3597, 0.3101



37.5574, 0.3233, 0.3923



37.5574, 0.2665, 0.3471

# Sweetspot

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



37.5590, 0.2986, 0.2742



89.3999, 0.3091, 0.3141



41.4967, 0.2792, 0.2965



18.8987, 0.3087, 0.3124



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.



37.5590, 0.2986, 0.2742



61.0275, 0.2952, 0.2626



39.7346, 0.3176, 0.2802



10.5813, 0.3071, 0.3057



4.9883, 0.2177, 0.0973



0.2783, 0.2388, 0.1089



# Inverse Universe

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



38.8426, 0.3373, 0.3059



63.7242, 0.3434, 0.3012



49.9500, 0.3080, 0.3832



10.7112, 0.3224, 0.3191



8.2501, 0.5237, 0.2658

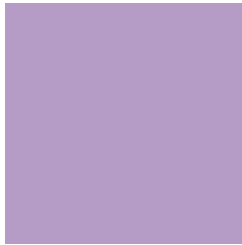


0.4051, 0.4710, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 37.5574, 0.2986, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

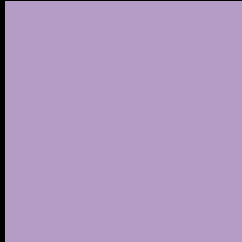
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.5574, 0.2986, 0.2742 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 37.5574, 0.2986, 0.2742**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5574, 0.2986, 0.2742.



This preview shows how white text looks on a background with the Yxy color 37.5574, 0.2986, 0.2742.

# 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

37.5574, 0.2986, 0.2742

### Protanopia

37.5741, 0.2745, 0.2744

### Deuteranopia

37.5203, 0.2863, 0.2802



## Tritanopia

37.3888, 0.3164, 0.3112

# Trichromacy



## Original Color

37.5574, 0.2986, 0.2742

## Protanomaly

37.3580, 0.2832, 0.2738

## Deuteranomaly

37.3735, 0.2906, 0.2781

## Tritanomaly

37.5208, 0.3095, 0.2979

# Monochromacy



## Original Color

37.5574, 0.2986, 0.2742

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

38.5762, 0.3072, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5574, 0.2986, 0.2742 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(180, 156, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 198)  
}
```

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(180, 156, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5574, 0.2986, 0.2742 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(180, 156, 198) }
```

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

```
.border{ border-color:rgb(180, 156, 198) }
```

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

Here you see how a box with a 4 pixel rgb(180, 156, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5574, 0.2986, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 198) }
```

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

```
.background{ background-color: rgb(180,  
156, 198) }
```

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