

# Converting Colors

$Yxy(37.8484, 0.3672, 0.2977)$

Have a look what the booklet for  
Yxy(37.8484, 0.3672, 0.2977)  
contains.

<b>Yxy(37.7251, 0.3673, 0.2980)</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(37.7251, 0.3673, 0.2980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC8FA9
RGB	220, 143, 169
RGB Percent	86%, 56%, 66%
CMY	0.1373, 0.4392, 0.3372
CMYK	0.00, 0.35, 0.23, 0.14
HSL	340°, 52%, 71%
HSV	340°, 35%, 86%
XYZ	46.4981, 37.7251, 42.3711
YIQ	168.9870, 37.5460, 24.4100

# Conversions

## Conversions Part 2

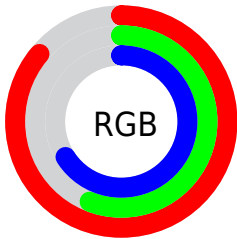
Format	Color
R <sub>Y</sub> B	220, 143, 169
Decimal	14454697
CIE Lab	67.82, 32.69, -1.50
CIE LCh	68, 32.727, 357.368
Yxy	37.7251, 0.3673, 0.2980
Android (android.graphics.Color)	4292644777 (0xFFDC8FA9)
YUV	168.9870, 0.0064, 44.7384
Hunter-Lab	61.4208, 27.6456, 2.0933

# Details

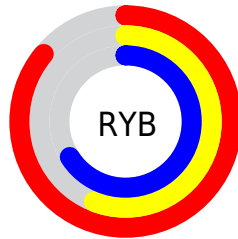
The Yxy color **37.7251, 0.3673, 0.2980** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.9179, 0.2779, 0.3628**, and the grayscale version is **39.6567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0300, 0.3382, 0.3027**, and **16.5531, 0.3838, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **31.2393, 0.3908, 0.2892**, and if you desaturate by 10%, it is **45.5706, 0.3477, 0.3072**.

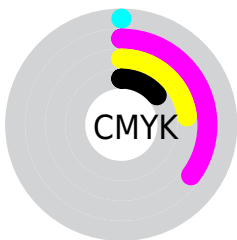
# Distribution



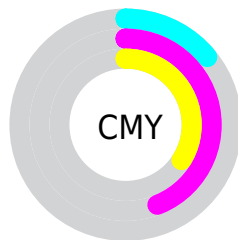
- Red (86%)
- Green (56%)
- Blue (66%)



- Red (86%)
- Yellow (56%)
- Blue (66%)



- Cyan (0%)
- Magenta (35%)
- Yellow (23%)
- Black (14%)




- Cyan (14%)
- Magenta (44%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7251, 0.3673, 0.2980 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 37.7251, 0.3673, 0.2980 by changing the saturation by 10% instead.




 37.7251, 0.3673,  
0.2980


 37.7251, 0.3673,  
0.2980


336.4392, 0.3391,  
0.3139

 25.7694, 0.3746,  
0.2939


 71.6866, 0.3569,  
0.3039

 16.6512, 0.3842,  
0.2886

 94.4612, 0.3530,  
0.3060

 9.9861, 0.3972,  
0.2814


121.6108, 0.3498,  
0.3079

 5.3898, 0.4159,  
0.2710

153.5200, 0.3470,  
0.3094

 2.4777, 0.4450,  
0.2551

190.5730, 0.3446,  
0.3108

 0.8654, 0.4961,  
0.2277

233.1543, 0.3426,


 0.0000, 1.0000,


0.3120


0.0000


281.6482, 0.3408,  
0.3130

 0.0000, 0.0000,  
0.0000


 37.7251, 0.3673,  
0.2980


 37.7251, 0.3673,  
0.2980


 31.2393, 0.3908,  
0.2892


 45.5706, 0.3477,  
0.3072


 26.0297, 0.4185,  
0.2815


 54.8422, 0.3316,  
0.3163

 22.0122, 0.4500,  
0.2760

 65.6083, 0.3184,  
0.3249

 19.0898, 0.4840,  
0.2739

 77.9314, 0.3076,  
0.3330

 17.1505, 0.5186,  
0.2764

 91.8703, 0.2988,  
0.3404

■ 16.0572, 0.5506,  
0.2839

■ 93.9546, 0.2917,  
0.3289

■ 15.7131, 0.5653,  
0.2888

# Harmonies

## Analogous

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



37.7251, 0.3183, 0.2686



37.7251, 0.3673, 0.2980



37.7251, 0.4020, 0.3354

# Triad

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



37.7251, 0.3673, 0.2980



37.7251, 0.3498, 0.4181



37.7251, 0.2237, 0.2735

# Complementary

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



37.7251, 0.3673, 0.2980



60.9179, 0.2779, 0.3628

# 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.



37.7251, 0.2306, 0.3121



37.7251, 0.3673, 0.2980



37.7251, 0.3014, 0.4023

# Square

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



37.7251, 0.3673, 0.2980



37.7251, 0.3901, 0.4054



37.7251, 0.2581, 0.3610



37.7251, 0.2379, 0.2534



# Rectangle

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



37.7251, 0.3673, 0.2980



37.7251, 0.4107, 0.3615



37.7251, 0.2581, 0.3610



37.7251, 0.2236, 0.2845

# Sweetspot

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



37.7269, 0.3673, 0.2980



83.7554, 0.3247, 0.3206



36.1581, 0.2920, 0.2360



17.4761, 0.3266, 0.3193



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.



37.7269, 0.3673, 0.2980



45.8722, 0.3842, 0.2914



40.4932, 0.3909, 0.3432



13.1237, 0.3239, 0.3211



9.2412, 0.5613, 0.2865



0.6145, 0.5153, 0.2612



# Inverse Universe

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



37.7269, 0.3673, 0.2980



45.8722, 0.3842, 0.2914



56.3366, 0.2616, 0.3141



13.1237, 0.3239, 0.3211



9.2412, 0.5613, 0.2865



0.6145, 0.5153, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 37.7251, 0.3673, 0.2980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

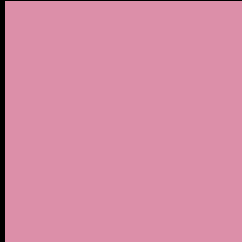
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7251, 0.3673, 0.2980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

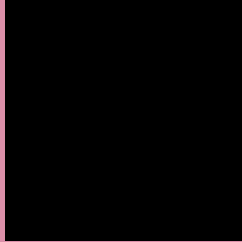
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7251, 0.3673, 0.2980**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7251, 0.3673, 0.2980.



This preview shows how white text looks on a background with the Yxy color 37.7251, 0.3673, 0.2980.

# 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

37.7251, 0.3673, 0.2980

### Protanopia

38.1802, 0.2975, 0.3053

### Deuteranopia

37.7185, 0.3276, 0.3209



## Tritanopia

37.7112, 0.3798, 0.3159

# Trichromacy



## Original Color

37.7251, 0.3673, 0.2980

## Protanomaly

37.4786, 0.3207, 0.3023

## Deuteranomaly

37.5033, 0.3415, 0.3121

## Tritanomaly

37.5798, 0.3746, 0.3086

# Monochromacy



## Original Color

37.7251, 0.3673, 0.2980

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.6976, 0.3316, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7251, 0.3673, 0.2980 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(220, 143, 169)` looks like.

```
.text, #text, p{  
    color:rgb(220, 143, 169)  
}
```

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(220, 143, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 143, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7251, 0.3673, 0.2980 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(220, 143, 169) }
```

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

```
.border{ border-color:rgb(220, 143, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 143, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 143, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 143, 169);  
box-shadow:4px 4px 4px 4px rgb(220, 143,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7251, 0.3673, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 143, 169) }
```

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

```
.background{ background-color: rgb(220,  
143, 169) }
```

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