

# Converting Colors

$Y_{xy}(37.5333, 0.3465, 0.2708)$

Have a look what the booklet for  
Yxy(37.5333, 0.3465, 0.2708)  
contains.

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# Color

**Yxy(37.6459, 0.3469, 0.2716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC8CBD
RGB	220, 140, 189
RGB Percent	86%, 55%, 74%
CMY	0.1372, 0.4510, 0.2588
CMYK	0.00, 0.36, 0.14, 0.14
HSL	323°, 53%, 71%
HSV	323°, 36%, 86%
XYZ	48.0831, 37.6459, 52.8789
YIQ	169.5060, 31.9510, 32.1990

# Conversions

## Conversions Part 2

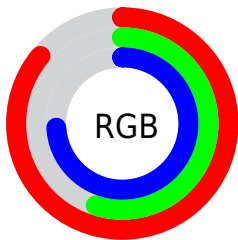
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 140, 189
Decimal	14453949
CIE Lab	67.76, 37.37, -12.79
CIE LCh	68, 39.502, 341.101
Yxy	37.6459, 0.3469, 0.2716
Android (android.graphics.Color)	4292644029 (0xFFDC8CBD)
YUV	169.5060, 9.6105, 44.2832
Hunter-Lab	61.3563, 32.5117, -8.1488

# Details

The Yxy color **37.6459, 0.3469, 0.2716** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.7120, 0.2894, 0.3948**, and the grayscale version is **39.8804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8828, 0.3227, 0.2794**, and **16.6495, 0.3566, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **31.4887, 0.3602, 0.2561**, and if you desaturate by 10%, it is **45.1138, 0.3354, 0.2878**.

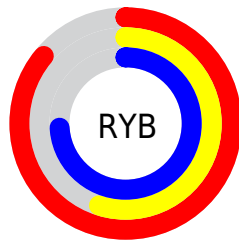
# Distribution



Red (86%)

Green (55%)

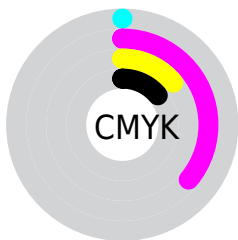
Blue (74%)



Red (86%)

Yellow (55%)

Blue (74%)

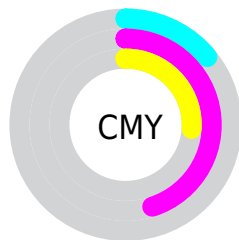


Cyan (0%)

Magenta (36%)

Yellow (14%)

Black (14%)



Cyan (14%)

Magenta (45%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6459, 0.3469, 0.2716 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 37.6459, 0.3469, 0.2716 by changing the saturation by 10% instead.





 37.6459, 0.3469,  
0.2716


 37.6459, 0.3469,  
0.2716


336.0985, 0.3299,  
0.2999

 25.7080, 0.3511,  
0.2647


 71.5651, 0.3407,  
0.2818

 16.6053, 0.3565,  
0.2559


 94.3151, 0.3384,  
0.2856

 9.9535, 0.3636,  
0.2443


 121.4380, 0.3365,  
0.2889

 5.3681, 0.3735,  
0.2285

153.3181, 0.3348,  
0.2917

 2.4648, 0.3880,  
0.2056

190.3398, 0.3333,  
0.2942

 0.8589, 0.4112,  
0.1701

232.8875, 0.3320,

 0.0000, 0.5200,

0.2963

0.0000

281.3456, 0.3309,  
0.2982

0.0000, 0.0000,  
0.0000

37.6459, 0.3469,  
0.2716

37.6459, 0.3469,  
0.2716

31.4887, 0.3602,  
0.2561

45.1138, 0.3354,  
0.2878

26.5594, 0.3752,  
0.2422

53.9581, 0.3256,  
0.3039

22.7743, 0.3917,  
0.2310


64.2465, 0.3173,  
0.3195

20.0366, 0.4091,  
0.2236


76.0406, 0.3103,  
0.3343

18.2333, 0.4270,  
0.2212

89.3983, 0.3046,  
0.3481

 17.2224, 0.4444,  
0.2239

 93.0398, 0.2998,  
0.3442

 16.9609, 0.4508,  
0.2257

 93.5591, 0.2951,  
0.3354

 93.9586, 0.2917,  
0.3289

# Harmonies

## Analogous

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



37.6459, 0.2868, 0.2450



37.6459, 0.3469, 0.2716



37.6459, 0.4013, 0.3109

# Triad

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



37.6459, 0.3469, 0.2716



37.6459, 0.3847, 0.4314



37.6459, 0.2084, 0.2839

# Complementary

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



37.6459, 0.3469, 0.2716



59.7120, 0.2894, 0.3948

# 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.



37.6459, 0.2295, 0.3394



37.6459, 0.3469, 0.2716



37.6459, 0.3297, 0.4339

# Square

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



37.6459, 0.3469, 0.2716



37.6459, 0.4223, 0.4002



37.6459, 0.2729, 0.3985



37.6459, 0.2119, 0.2485



# Rectangle

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



37.6459, 0.3469, 0.2716



37.6459, 0.4240, 0.3410



37.6459, 0.2729, 0.3985



37.6459, 0.2127, 0.3006

# Sweetspot

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



37.6476, 0.3469, 0.2716



82.7103, 0.3210, 0.3122



32.5440, 0.2719, 0.2268



17.2854, 0.3221, 0.3101



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.



37.6476, 0.3469, 0.2716



45.5740, 0.3574, 0.2591



36.1538, 0.3900, 0.3179



13.1849, 0.3197, 0.3148



9.9747, 0.4482, 0.2243



0.6629, 0.4220, 0.2098



# Inverse Universe

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



37.6476, 0.3469, 0.2716



45.5740, 0.3574, 0.2591



61.4586, 0.2669, 0.3408



13.1849, 0.3197, 0.3148



9.9747, 0.4482, 0.2243



0.6629, 0.4220, 0.2098



# Previews

## White Background



This preview shows how the Yxy color 37.6459, 0.3469, 0.2716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

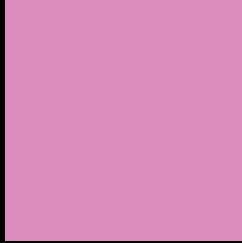
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.6459, 0.3469, 0.2716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

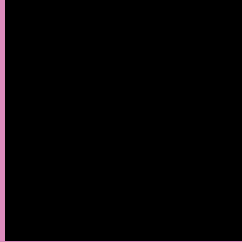
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.6459, 0.3469, 0.2716**

## Background



This preview shows how black text looks on a background with the Yxy color 37.6459, 0.3469, 0.2716.



This preview shows how white text looks on a background with the Yxy color 37.6459, 0.3469, 0.2716.

# 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

37.6459, 0.3469, 0.2716

### Protanopia

38.0266, 0.2732, 0.2733

### Deuteranopia

37.7632, 0.3022, 0.2963



## Tritanopia

37.5910, 0.3753, 0.3157

# Trichromacy



## Original Color

37.6459, 0.3469, 0.2716

## Protanomaly

37.1499, 0.2969, 0.2715

## Deuteranomaly

37.1465, 0.3176, 0.2861

## Tritanomaly

37.5628, 0.3640, 0.2989

# Monochromacy



## Original Color

37.6459, 0.3469, 0.2716

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

38.6620, 0.3244, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.6459, 0.3469, 0.2716 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, 140, 189)` looks like.

```
.text, #text, p{  
    color:rgb(220, 140, 189)  
}
```

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, 140, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 140, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 37.6459, 0.3469, 0.2716 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, 140, 189) }
```

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

```
.border{ border-color:rgb(220, 140, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 140, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 140, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 140, 189);  
box-shadow:4px 4px 4px 4px rgb(220, 140,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.6459, 0.3469, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 140, 189) }
```

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

```
.background{ background-color: rgb(220,  
140, 189) }
```

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](#).

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