

# Converting Colors

$Y_{xy}(32.7731, 0.3638, 0.2858)$

Have a look what the booklet for  
Yxy(32.7731, 0.3638, 0.2858)  
contains.

<b>Yxy(32.6874, 0.3633, 0.2856)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(32.6874, 0.3633, 0.2856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D283A6
RGB	210, 131, 166
RGB Percent	82%, 51%, 65%
CMY	0.1764, 0.4863, 0.3491
CMYK	0.00, 0.38, 0.21, 0.18
HSL	333°, 47%, 67%
HSV	333°, 38%, 82%
XYZ	41.5803, 32.6874, 40.1840
YIQ	158.6110, 35.8490, 27.6330

# Conversions

## Conversions Part 2

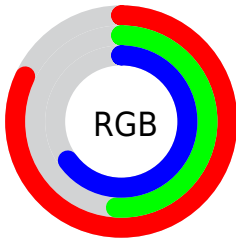
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 131, 166
Decimal	13796262
CIE <sub>Lab</sub>	63.91, 35.14, -5.69
CIE <sub>LCh</sub>	64, 35.596, 350.805
Yxy	32.6874, 0.3633, 0.2856
Android (android.graphics.Color)	4291986342 (0xFFD283A6)
YUV	158.6110, 3.6428, 45.0682
Hunter-Lab	57.1729, 29.7656, -1.6510

# Details

The Yxy color **32.6874, 0.3633, 0.2856** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **54.0252, 0.2807, 0.3776**, and the grayscale version is **34.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1784, 0.3424, 0.2924**, and **13.8223, 0.3799, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **27.1977, 0.3834, 0.2743**, and if you desaturate by 10%, it is **39.3626, 0.3463, 0.2975**.

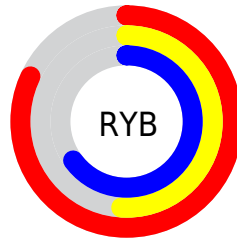
# Distribution



Red (82%)

Green (51%)

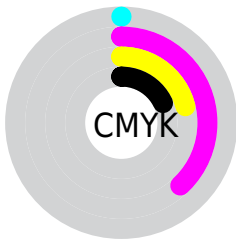
Blue (65%)



Red (82%)

Yellow (51%)

Blue (65%)

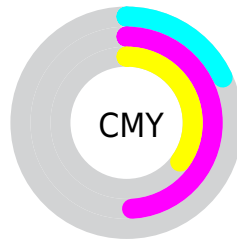


Cyan (0%)

Magenta (38%)

Yellow (21%)

Black (18%)



Cyan (18%)

Magenta (49%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6874, 0.3633, 0.2856 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 32.6874, 0.3633, 0.2856 by changing the saturation by 10% instead.




 32.6874, 0.3633,  
0.2856

 32.6874, 0.3633,  
0.2856


314.2388, 0.3369,  
0.3079


 21.8871, 0.3703,  
0.2798


 63.8872, 0.3534,  
0.2939

 13.7740, 0.3795,  
0.2723


 85.0554, 0.3498,  
0.2969

 7.9636, 0.3922,  
0.2621


 110.4484, 0.3468,  
0.2995

 4.0717, 0.4107,  
0.2474

140.4506, 0.3442,  
0.3017

 1.7137, 0.4403,  
0.2248

175.4463, 0.3420,  
0.3036

 0.4325, 0.5083,  
0.1634

215.8200, 0.3400,

 0.0000, 1.0000,

0.3052

0.0000

261.9560, 0.3384,  
0.3067

0.0000, 0.0000,  
0.0000

32.6874, 0.3633,  
0.2856

32.6874, 0.3633,  
0.2856

27.1977, 0.3834,  
0.2743

39.3626, 0.3463,  
0.2975

22.8184, 0.4066,  
0.2645

47.2834, 0.3320,  
0.3093

19.4729, 0.4327,  
0.2573

56.5112, 0.3203,  
0.3207


17.0726, 0.4605,  
0.2541

67.1022, 0.3106,  
0.3315

15.5140, 0.4889,  
0.2559

79.1091, 0.3026,  
0.3415

 14.6528, 0.5158,  
0.2630

 91.2929, 0.2960,  
0.3486

 14.4945, 0.5221,  
0.2650

 91.9966, 0.2898,  
0.3363

 92.4447, 0.2860,  
0.3289

# Harmonies

## Analogous

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



32.6874, 0.3062, 0.2556



32.6874, 0.3633, 0.2856



32.6874, 0.4084, 0.3258

# Triad

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



32.6874, 0.3633, 0.2856



32.6874, 0.3655, 0.4302



32.6874, 0.2121, 0.2733

# Complementary

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



32.6874, 0.3633, 0.2856



54.0252, 0.2807, 0.3776

# 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.



32.6874, 0.2248, 0.3207



32.6874, 0.3633, 0.2856



32.6874, 0.3112, 0.4206

# Square

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



32.6874, 0.3633, 0.2856



32.6874, 0.4077, 0.4084



32.6874, 0.2599, 0.3777



32.6874, 0.2229, 0.2465



# Rectangle

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



32.6874, 0.3633, 0.2856



32.6874, 0.4230, 0.3550



32.6874, 0.2599, 0.3777



32.6874, 0.2137, 0.2871

# Sweetspot

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



32.6889, 0.3633, 0.2856



82.4246, 0.3241, 0.3168



29.9376, 0.2826, 0.2267



17.2173, 0.3257, 0.3153



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.



32.6889, 0.3633, 0.2856



43.8530, 0.3789, 0.2766



32.6568, 0.4027, 0.3343



11.8940, 0.3222, 0.3188



8.8590, 0.5185, 0.2630



0.5112, 0.4732, 0.2381



# Inverse Universe

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



32.6889, 0.3633, 0.2856



43.8530, 0.3789, 0.2766



53.6554, 0.2598, 0.3236



11.8940, 0.3222, 0.3188



8.8590, 0.5185, 0.2630



0.5112, 0.4732, 0.2381



# Previews

## White Background



This preview shows how the Yxy color 32.6874, 0.3633, 0.2856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

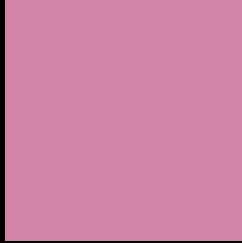
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.6874, 0.3633, 0.2856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

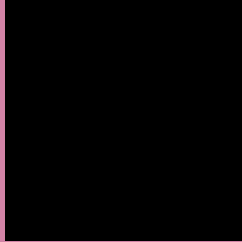
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.6874, 0.3633, 0.2856**

## Background



This preview shows how black text looks on a background with the Yxy color 32.6874, 0.3633, 0.2856.



This preview shows how white text looks on a background with the Yxy color 32.6874, 0.3633, 0.2856.

# 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

32.6874, 0.3633, 0.2856

### Protanopia

32.9314, 0.2854, 0.2895

### Deuteranopia

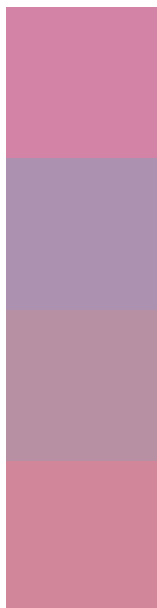
32.9573, 0.3185, 0.3131



## Tritanopia

32.7822, 0.3841, 0.3165

# Trichromacy



## Original Color

32.6874, 0.3633, 0.2856

## Protanomaly

32.4630, 0.3107, 0.2871

## Deuteranomaly

32.6581, 0.3349, 0.3029

## Tritanomaly

32.9054, 0.3763, 0.3052

# Monochromacy



## Original Color

32.6874, 0.3633, 0.2856

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

33.5685, 0.3300, 0.3109

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.6874, 0.3633, 0.2856 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(210, 131, 166)` looks like.

```
.text, #text, p{  
    color:rgb(210, 131, 166)  
}
```

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(210, 131, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 131, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 32.6874, 0.3633, 0.2856 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(210, 131, 166) }
```

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

```
.border{ border-color:rgb(210, 131, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 131, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 131, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 131, 166);  
box-shadow:4px 4px 4px 4px rgb(210, 131,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.6874, 0.3633, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 131, 166) }
```

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

```
.background{ background-color: rgb(210,  
131, 166) }
```

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