

# Converting Colors

$Y_{xy}(39.6971, 0.3315, 0.2630)$

Have a look what the booklet for  
Yxy(39.6971, 0.3315, 0.2630)  
contains.

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# Color

**Yxy(39.5751, 0.3323, 0.2630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB91CA
RGB	219, 145, 202
RGB Percent	86%, 57%, 79%
CMY	0.1412, 0.4314, 0.2077
CMYK	0.00, 0.34, 0.08, 0.14
HSL	314°, 51%, 71%
HSV	314°, 34%, 86%
XYZ	50.0031, 39.5751, 60.8975
YIQ	173.6240, 25.8070, 33.4150

# Conversions

## Conversions Part 2

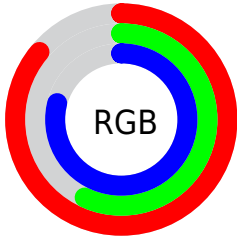
Format	Color
R <sub>Y</sub> B	219, 145, 202
Decimal	14389706
CIE Lab	69.17, 36.54, -17.94
CIE LCh	69, 40.710, 333.846
Yxy	39.5751, 0.3323, 0.2630
Android (android.graphics.Color)	4292579786 (0xFFDB91CA)
YUV	173.6240, 13.9894, 39.7948
Hunter-Lab	62.9087, 31.7906, -13.3583

# Details

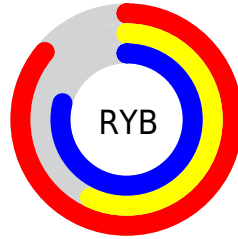
The Yxy color **39.5751, 0.3323, 0.2630** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.2933, 0.2979, 0.4057**, and the grayscale version is **42.0431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **17.7534, 0.3371, 0.2456** is the 20% darker color. If you saturate the color by 10%, you get **33.2826, 0.3399, 0.2439**, and if you desaturate by 10%, it is **47.1690, 0.3255, 0.2829**.

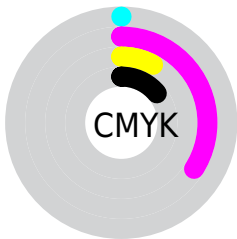
# Distribution



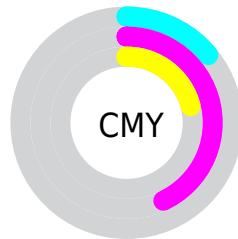
- Red (86%)
- Green (57%)
- Blue (79%)



- Red (86%)
- Yellow (57%)
- Blue (79%)



- Cyan (0%)
- Magenta (34%)
- Yellow (8%)
- Black (14%)




- Cyan (14%)
- Magenta (43%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5751, 0.3323, 0.2630 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 39.5751, 0.3323, 0.2630 by changing the saturation by 10% instead.





 39.5751, 0.3323,  
0.2630


 39.5751, 0.3323,  
0.2630


344.3294, 0.3231,  
0.2950

 27.2074, 0.3344,  
0.2553


 74.5161, 0.3291,  
0.2744

 17.7291, 0.3370,  
0.2457


 97.8581, 0.3278,  
0.2787

 10.7556, 0.3403,  
0.2332


125.6271, 0.3268,  
0.2824

 5.9028, 0.3446,  
0.2164

158.2074, 0.3258,  
0.2856

 2.7860, 0.3503,  
0.1928

195.9833, 0.3250,  
0.2884

 1.0211, 0.3578,  
0.1576

239.3394, 0.3243,


 0.0000, 0.4081,


0.2909

0.0000


288.6600, 0.3237,  
0.2931


 0.0000, 0.0000,  
0.0000


 39.5751, 0.3323,  
0.2630


 39.5751, 0.3323,  
0.2630


 33.2826, 0.3399,  
0.2439


 47.1690, 0.3255,  
0.2829


 28.2116, 0.3482,  
0.2264


 56.1273, 0.3196,  
0.3027

 24.2818, 0.3571,  
0.2115


 66.5156, 0.3145,  
0.3219


 21.4011, 0.3663,  
0.2003


 78.3935, 0.3101,  
0.3403


 19.4630, 0.3756,  
0.1936

 91.8174, 0.3064,  
0.3574


 18.3383, 0.3845,  
0.1916

 92.4169, 0.3036,  
0.3526

 17.9167, 0.3899,  
0.1922

 92.7068, 0.3008,  
0.3473

 93.0050, 0.2980,  
0.3421

 93.3114, 0.2953,  
0.3369

# Harmonies

## Analogous

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



39.5751, 0.2731, 0.2401



39.5751, 0.3323, 0.2630



39.5751, 0.3909, 0.3002

# Triad

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



39.5751, 0.3323, 0.2630



39.5751, 0.3969, 0.4271



39.5751, 0.2100, 0.2953

# Complementary

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



39.5751, 0.3323, 0.2630



59.2933, 0.2979, 0.4057

# 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.



39.5751, 0.2371, 0.3547



39.5751, 0.3323, 0.2630



39.5751, 0.3441, 0.4383

# Square

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



39.5751, 0.3323, 0.2630



39.5751, 0.4287, 0.3909



39.5751, 0.2855, 0.4115



39.5751, 0.2076, 0.2539



# Rectangle

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



39.5751, 0.3323, 0.2630



39.5751, 0.4188, 0.3298



39.5751, 0.2855, 0.4115



39.5751, 0.2164, 0.3138

# Sweetspot

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



39.5769, 0.3323, 0.2630



84.4247, 0.3176, 0.3099



32.9457, 0.2650, 0.2321



17.6380, 0.3183, 0.3071



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.



39.5769, 0.3323, 0.2630



48.9870, 0.3380, 0.2484



38.0632, 0.3690, 0.3039



13.2211, 0.3173, 0.3112



10.6406, 0.3887, 0.1915



0.7021, 0.3754, 0.1842



# Inverse Universe

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



39.5769, 0.3323, 0.2630



48.9870, 0.3380, 0.2484



60.7644, 0.2766, 0.3561



13.2211, 0.3173, 0.3112



10.6406, 0.3887, 0.1915



0.7021, 0.3754, 0.1842



# Previews

## White Background



This preview shows how the Yxy color 39.5751, 0.3323, 0.2630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

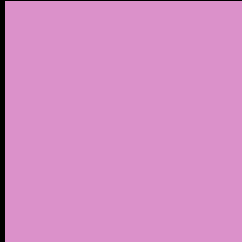
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5751, 0.3323, 0.2630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

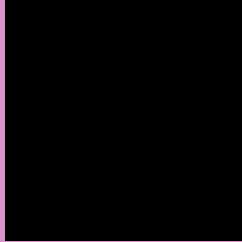
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5751, 0.3323, 0.2630**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5751, 0.3323, 0.2630.



This preview shows how white text looks on a background with the Yxy color 39.5751, 0.3323, 0.2630.

# 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

39.5751, 0.3323, 0.2630

### Protanopia

39.7673, 0.2646, 0.2619

### Deuteranopia

39.7581, 0.2917, 0.2853



## Tritanopia

39.4330, 0.3641, 0.3144

# Trichromacy



## Original Color

39.5751, 0.3323, 0.2630



## Protanomaly

39.1334, 0.2866, 0.2616



## Deuteranomaly

39.3961, 0.3059, 0.2769



## Tritanomaly

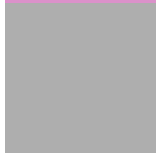
39.3082, 0.3525, 0.2941

# Monochromacy



## Original Color

39.5751, 0.3323, 0.2630



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

40.6022, 0.3196, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5751, 0.3323, 0.2630 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(219, 145, 202)` looks like.

```
.text, #text, p{  
    color:rgb(219, 145, 202)  
}
```

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(219, 145, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 145, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5751, 0.3323, 0.2630 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(219, 145, 202) }
```

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

```
.border{ border-color:rgb(219, 145, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 145, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 145, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 145, 202);  
box-shadow:4px 4px 4px 4px rgb(219, 145,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5751, 0.3323, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 145, 202) }
```

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

```
.background{ background-color: rgb(219,  
145, 202) }
```

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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