

# Converting Colors

$Y_{xy}(43.7781, 0.3309, 0.2780)$

Have a look what the booklet for  
Yxy(43.7781, 0.3309, 0.2780)  
contains.

<b>Yxy(43.7781, 0.3309, 0.2780)</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(43.7781, 0.3309, 0.2780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB9ECA
RGB	219, 158, 202
RGB Percent	86%, 62%, 79%
CMY	0.1411, 0.3804, 0.2078
CMYK	0.00, 0.28, 0.08, 0.14
HSL	317°, 46%, 74%
HSV	317°, 28%, 86%
XYZ	52.1085, 43.7781, 61.5885
YIQ	181.2550, 22.2320, 26.6160

# Conversions

## Conversions Part 2

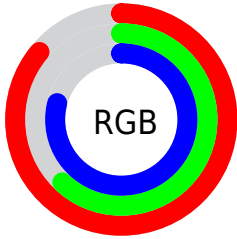
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 158, 202
Decimal	14393034
CIE Lab	72.08, 29.57, -13.54
CIE LCh	72, 32.521, 335.394
Yxy	43.7781, 0.3309, 0.2780
Android (android.graphics.Color)	4292583114 (0xFFDB9ECA)
YUV	181.2550, 10.2273, 33.1024
Hunter-Lab	66.1650, 24.7896, -8.8735

# Details

The Yxy color  $43.7781, 0.3309, 0.2780$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $61.0420, 0.2984, 0.3862$ , and the grayscale version is  $46.2901, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.0685, 0.3146, 0.2881$ , and  $20.2327, 0.3351, 0.2648$  is the 20% darker color. If you saturate the color by 10%, you get  $36.6790, 0.3394, 0.2594$ , and if you desaturate by 10%, it is  $52.2241, 0.3235, 0.2968$ .

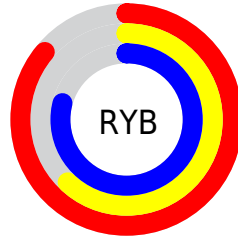
# Distribution



Red (86%)

Green (62%)

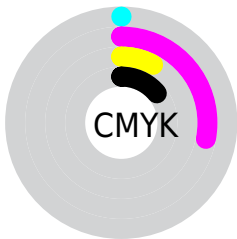
Blue (79%)



Red (86%)

Yellow (62%)

Blue (79%)

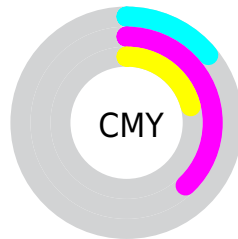


Cyan (0%)

Magenta (28%)

Yellow (8%)

Black (14%)



Cyan (14%)

Magenta (38%)


Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7781, 0.3309, 0.2780 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 43.7781, 0.3309, 0.2780 by changing the saturation by 10% instead.





 43.7781, 0.3309,  
0.2780


 43.7781, 0.3309,  
0.2780


361.8020, 0.3222,  
0.3027

 30.4961, 0.3329,  
0.2721


 80.8837, 0.3278,  
0.2868

 20.2154, 0.3355,  
0.2647

 105.4762, 0.3267,  
0.2901

 12.5517, 0.3388,  
0.2550

134.6075, 0.3257,  
0.2930

 7.1206, 0.3432,  
0.2420

168.6622, 0.3248,  
0.2954

 3.5376, 0.3492,  
0.2236

208.0246, 0.3240,  
0.2976

 1.4185, 0.3581,  
0.1956

253.0791, 0.3233,

 0.2303, 0.3950,

0.2995

0.0963

304.2101, 0.3228,  
0.3012

0.0000, 0.0000,  
0.0000

43.7781, 0.3309,  
0.2780

43.7781, 0.3309,  
0.2780

36.6790, 0.3394,  
0.2594

52.2241, 0.3235,  
0.2968

30.8500, 0.3490,  
0.2418

62.0768, 0.3171,  
0.3151

26.2158, 0.3596,  
0.2261

73.3994, 0.3116,  
0.3327

22.6904, 0.3708,  
0.2134

86.2496, 0.3071,  
0.3492

20.1765, 0.3825,  
0.2047

92.4418, 0.3034,  
0.3522

■ 18.5595, 0.3941,  
0.2008

■ 92.7959, 0.3000,  
0.3458

■ 17.6787, 0.4054,  
0.2016

■ 93.1623, 0.2967,  
0.3394

■ 17.5323, 0.4078,  
0.2020

■ 93.5409, 0.2934,  
0.3331

■ 93.8047, 0.2912,  
0.3289

# Harmonies

## Analogous

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



43.7781, 0.2845, 0.2588



43.7781, 0.3309, 0.2780



43.7781, 0.3751, 0.3087

# Triad

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



43.7781, 0.3309, 0.2780



43.7781, 0.3774, 0.4068



43.7781, 0.2310, 0.3020

# Complementary

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



43.7781, 0.3309, 0.2780



61.0420, 0.2984, 0.3862

# 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.



43.7781, 0.2523, 0.3468



43.7781, 0.3309, 0.2780



43.7781, 0.3360, 0.4118

# Square

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



43.7781, 0.3309, 0.2780



43.7781, 0.4023, 0.3810



43.7781, 0.2902, 0.3894



43.7781, 0.2298, 0.2696



# Rectangle

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



43.7781, 0.3309, 0.2780



43.7781, 0.3957, 0.3329



43.7781, 0.2902, 0.3894



43.7781, 0.2359, 0.3161

# Sweetspot

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



43.7801, 0.3309, 0.2780



87.3070, 0.3172, 0.3148



38.5960, 0.2773, 0.2516



18.2089, 0.3181, 0.3120



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.



43.7801, 0.3309, 0.2780



56.1293, 0.3354, 0.2679



42.5027, 0.3592, 0.3121



13.2097, 0.3180, 0.3123



10.4121, 0.4062, 0.2011



0.6889, 0.3892, 0.1917



# Inverse Universe

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



43.7801, 0.3309, 0.2780



56.1293, 0.3354, 0.2679



62.3441, 0.2805, 0.3468



13.2097, 0.3180, 0.3123



10.4121, 0.4062, 0.2011



0.6889, 0.3892, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 43.7781, 0.3309, 0.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

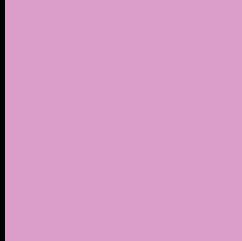
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7781, 0.3309, 0.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

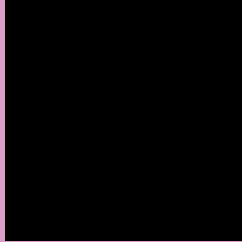
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.7781, 0.3309, 0.2780**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7781, 0.3309, 0.2780.



This preview shows how white text looks on a background with the Yxy color 43.7781, 0.3309, 0.2780.

# 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

43.7781, 0.3309, 0.2780

### Protanopia

43.9500, 0.2782, 0.2789

### Deuteranopia

43.8189, 0.3013, 0.2945



## Tritanopia

43.8885, 0.3524, 0.3147

# Trichromacy



## Original Color

43.7781, 0.3309, 0.2780

## Protanomaly

43.5939, 0.2953, 0.2779

## Deuteranomaly

43.6779, 0.3119, 0.2882

## Tritanomaly

43.7442, 0.3443, 0.3005

# Monochromacy



## Original Color

43.7781, 0.3309, 0.2780

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.1634, 0.3190, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7781, 0.3309, 0.2780 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, 158, 202)` looks like.

```
.text, #text, p{  
    color:rgb(219, 158, 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, 158, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 158, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7781, 0.3309, 0.2780 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, 158, 202) }
```

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

```
.border{ border-color:rgb(219, 158, 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, 158, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(219, 158,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7781, 0.3309, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 158, 202) }
```

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

```
.background{ background-color: rgb(219,  
158, 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](#).

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