

# Converting Colors

$Y_{xy}(41.2044, 0.3292, 0.2605)$

Have a look what the booklet for  
Yxy(41.2044, 0.3292, 0.2605)  
contains.

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# Color

**Yxy(41.2635, 0.3292, 0.2607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE94D0
RGB	222, 148, 208
RGB Percent	87%, 58%, 82%
CMY	0.1293, 0.4196, 0.1842
CMYK	0.00, 0.33, 0.06, 0.13
HSL	311°, 53%, 73%
HSV	311°, 33%, 87%
XYZ	52.1057, 41.2635, 64.9105
YIQ	176.9660, 24.8440, 34.3480

# Conversions

## Conversions Part 2

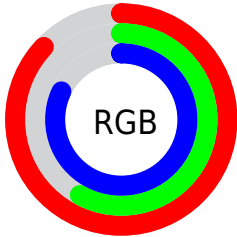
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 148, 208
Decimal	14587088
CIE Lab	70.36, 36.97, -19.43
CIE LCh	70, 41.767, 332.280
Yxy	41.2635, 0.3292, 0.2607
Android (android.graphics.Color)	4292777168 (0xFFDE94D0)
YUV	176.9660, 15.2998, 39.4948
Hunter-Lab	64.2367, 32.3763, -14.9462

# Details

The Yxy color **41.2635, 0.3292, 0.2607** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.1550, 0.2998, 0.4087**, and the grayscale version is **43.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **18.8058, 0.3326, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **34.7523, 0.3355, 0.2407**, and if you desaturate by 10%, it is **49.1196, 0.3235, 0.2815**.

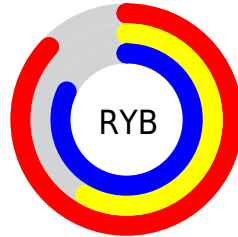
# Distribution



Red (87%)

Green (58%)

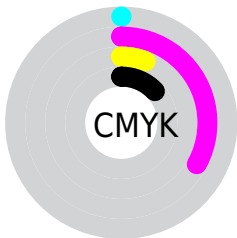
Blue (82%)



Red (87%)

Yellow (58%)

Blue (82%)

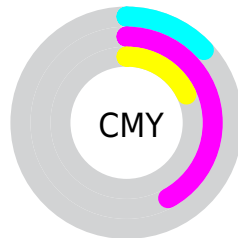


Cyan (0%)

Magenta (33%)

Yellow (6%)

Black (13%)



Cyan (13%)

Magenta (42%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2635, 0.3292, 0.2607 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 41.2635, 0.3292, 0.2607 by changing the saturation by 10% instead.





 41.2635, 0.3292,  
0.2607

 41.2635, 0.3292,  
0.2607


351.4207, 0.3217,  
0.2935

 28.5250, 0.3309,  
0.2529


 77.0837, 0.3266,  
0.2723

 18.7218, 0.3329,  
0.2432


 100.9343, 0.3256,  
0.2768

 11.4694, 0.3354,  
0.2307


129.2577, 0.3247,  
0.2806

 6.3835, 0.3385,  
0.2140

162.4383, 0.3240,  
0.2838

 3.0797, 0.3423,  
0.1908

200.8605, 0.3233,  
0.2867

 1.1735, 0.3469,  
0.1567

244.9087, 0.3227,

 0.0399, 0.3846,

0.2892

0.0162

294.9673, 0.3222,  
0.2915

0.0000, 0.0000,  
0.0000

41.2635, 0.3292,  
0.2607

41.2635, 0.3292,  
0.2607

34.7523, 0.3355,  
0.2407

49.1196, 0.3235,  
0.2815

29.5037, 0.3424,  
0.2224

58.3855, 0.3184,  
0.3022

25.4351, 0.3497,  
0.2068

69.1287, 0.3140,  
0.3224

22.4518, 0.3571,  
0.1949


81.4108, 0.3103,  
0.3417


20.4445, 0.3645,  
0.1874


92.7099, 0.3072,  
0.3558

 19.2807, 0.3716,  
0.1845

 92.9471, 0.3048,  
0.3514

 18.8301, 0.3761,  
0.1846

 93.1901, 0.3025,  
0.3470

 93.4388, 0.3002,  
0.3426

 93.6932, 0.2979,  
0.3383

# Harmonies

## Analogous

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



41.2635, 0.2699, 0.2385



41.2635, 0.3292, 0.2607



41.2635, 0.3891, 0.2976

# Triad

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



41.2635, 0.3292, 0.2607



41.2635, 0.4001, 0.4267



41.2635, 0.2098, 0.2976

# Complementary

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



41.2635, 0.3292, 0.2607



61.1550, 0.2998, 0.4087

# 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.



41.2635, 0.2384, 0.3583



41.2635, 0.3292, 0.2607



41.2635, 0.3474, 0.4399

# Square

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



41.2635, 0.3292, 0.2607



41.2635, 0.4309, 0.3892



41.2635, 0.2881, 0.4149



41.2635, 0.2061, 0.2546



# Rectangle

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



41.2635, 0.3292, 0.2607



41.2635, 0.4184, 0.3273



41.2635, 0.2881, 0.4149



41.2635, 0.2166, 0.3166

# Sweetspot

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



41.2654, 0.3292, 0.2607



84.4892, 0.3169, 0.3089



34.0882, 0.2637, 0.2329



17.6537, 0.3176, 0.3060



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.



41.2654, 0.3292, 0.2607



50.0826, 0.3336, 0.2466



39.6668, 0.3655, 0.3013



13.8889, 0.3167, 0.3102



11.1983, 0.3751, 0.1840



0.7878, 0.3653, 0.1786



# Inverse Universe

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



41.2654, 0.3292, 0.2607



50.0826, 0.3336, 0.2466



62.6509, 0.2784, 0.3589



13.8889, 0.3167, 0.3102



11.1983, 0.3751, 0.1840



0.7878, 0.3653, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 41.2635, 0.3292, 0.2607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

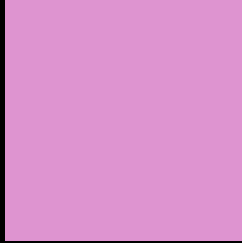
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.2635, 0.3292, 0.2607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

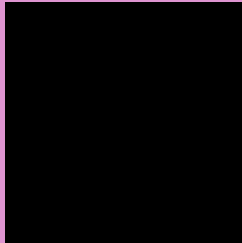
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2635, 0.3292, 0.2607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2635, 0.3292, 0.2607.



This preview shows how white text looks on a background with the Yxy color 41.2635, 0.3292, 0.2607.

# 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

41.2635, 0.3292, 0.2607

### Protanopia

41.4004, 0.2627, 0.2593

### Deuteranopia

41.3636, 0.2889, 0.2822



## Tritanopia

41.3558, 0.3619, 0.3146

# Trichromacy



## Original Color

41.2635, 0.3292, 0.2607



## Protanomaly

40.7264, 0.2839, 0.2591



## Deuteranomaly

40.9739, 0.3027, 0.2741



## Tritanomaly

41.2614, 0.3496, 0.2935

# Monochromacy



## Original Color

41.2635, 0.3292, 0.2607



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

42.2407, 0.3186, 0.3010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2635, 0.3292, 0.2607 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(222, 148, 208)` looks like.

```
.text, #text, p{  
    color:rgb(222, 148, 208)  
}
```

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(222, 148, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 148, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2635, 0.3292, 0.2607 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(222, 148, 208) }
```

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

```
.border{ border-color:rgb(222, 148, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 148, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 148, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 148, 208);  
box-shadow:4px 4px 4px 4px rgb(222, 148,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2635, 0.3292, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 148, 208) }
```

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

```
.background{ background-color: rgb(222,  
148, 208) }
```

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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