

# Converting Colors

$Y_{xy}(41.8104, 0.3342, 0.2682)$

Have a look what the booklet for  
Yxy(41.8104, 0.3342, 0.2682)  
contains.

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# Color

**Yxy(41.8125, 0.3346, 0.2685)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF96CB
RGB	223, 150, 203
RGB Percent	87%, 59%, 80%
CMY	0.1256, 0.4117, 0.2040
CMYK	0.00, 0.33, 0.09, 0.13
HSL	316°, 53%, 73%
HSV	316°, 33%, 87%
XYZ	52.1060, 41.8125, 61.8078
YIQ	177.8690, 26.4950, 31.9590

# Conversions

## Conversions Part 2

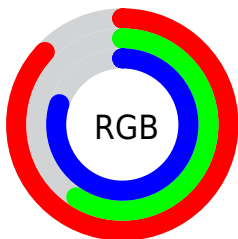
Format	Color
R <sub>Y</sub> B	223, 150, 203
Decimal	14653131
CIE Lab	70.74, 35.33, -16.04
CIE LCh	71, 38.803, 335.576
Yxy	41.8125, 0.3346, 0.2685
Android (android.graphics.Color)	4292843211 (0xFFDF96CB)
YUV	177.8690, 12.3896, 39.5799
Hunter-Lab	64.6626, 30.6782, -11.4086

# Details

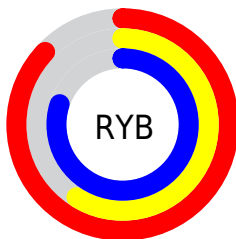
The Yxy color  $41.8125, 0.3346, 0.2685$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $62.1451, 0.2963, 0.3985$ , and the grayscale version is  $44.3716, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $72.1426, 0.3150, 0.2801$ , and  $19.1208, 0.3402, 0.2529$  is the 20% darker color. If you saturate the color by 10%, you get  $35.0756, 0.3435, 0.2502$ , and if you desaturate by 10%, it is  $49.9185, 0.3267, 0.2874$ .

# Distribution



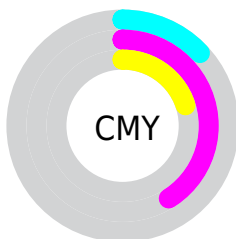
- Red (87%)
- Green (59%)
- Blue (80%)



- Red (87%)
- Yellow (59%)
- Blue (80%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (13%)




- Cyan (13%)
- Magenta (41%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8125, 0.3346, 0.2685 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 41.8125, 0.3346, 0.2685 by changing the saturation by 10% instead.





 41.8125, 0.3346,  
0.2685


 41.8125, 0.3346,  
0.2685


353.7051, 0.3242,  
0.2977

 28.9545, 0.3370,  
0.2615


 77.9158, 0.3309,  
0.2789

 19.0464, 0.3401,  
0.2528


 101.9298, 0.3295,  
0.2828

 11.7038, 0.3440,  
0.2414


130.4314, 0.3283,  
0.2862

 6.5423, 0.3491,  
0.2262

163.8048, 0.3273,  
0.2891

 3.1776, 0.3562,  
0.2048

202.4345, 0.3264,  
0.2917

 1.2251, 0.3663,  
0.1728

246.7048, 0.3255,

 0.0821, 0.4180,

0.2939

0.0363

297.0002, 0.3248,  
0.2959

0.0000, 0.0000,  
0.0000

41.8125, 0.3346,  
0.2685

41.8125, 0.3346,  
0.2685

35.0756, 0.3435,  
0.2502

49.9185, 0.3267,  
0.2874

29.6250, 0.3534,  
0.2332

59.4590, 0.3199,  
0.3061

25.3777, 0.3642,  
0.2188

70.5019, 0.3141,  
0.3242

22.2386, 0.3755,  
0.2079

83.1092, 0.3092,  
0.3414

20.0983, 0.3869,  
0.2014


93.1154, 0.3052,  
0.3510

 18.8247, 0.3982,  
0.1998

 93.4718, 0.3018,  
0.3446

 18.2856, 0.4062,  
0.2011

 93.8404, 0.2984,  
0.3383

 94.2213, 0.2951,  
0.3321

 94.4221, 0.2934,  
0.3289

# Harmonies

## Analogous

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



41.8125, 0.2786, 0.2459



41.8125, 0.3346, 0.2685



41.8125, 0.3886, 0.3044

# Triad

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



41.8125, 0.3346, 0.2685



41.8125, 0.3896, 0.4226



41.8125, 0.2152, 0.2950

# Complementary

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



41.8125, 0.3346, 0.2685



62.1451, 0.2963, 0.3985

# 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.



41.8125, 0.2397, 0.3498



41.8125, 0.3346, 0.2685



41.8125, 0.3394, 0.4304

# Square

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



41.8125, 0.3346, 0.2685



41.8125, 0.4206, 0.3901



41.8125, 0.2845, 0.4032



41.8125, 0.2142, 0.2570



# Rectangle

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



41.8125, 0.3346, 0.2685



41.8125, 0.4136, 0.3327



41.8125, 0.2845, 0.4032



41.8125, 0.2208, 0.3120

# Sweetspot

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



41.8144, 0.3346, 0.2685



84.3538, 0.3183, 0.3110



35.6354, 0.2697, 0.2362



17.6208, 0.3192, 0.3084



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.



41.8144, 0.3346, 0.2685



50.4735, 0.3404, 0.2563



40.2955, 0.3704, 0.3090



13.8682, 0.3179, 0.3121



10.7757, 0.4046, 0.2003



0.7617, 0.3888, 0.1915



# Inverse Universe

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



41.8144, 0.3346, 0.2685



50.4735, 0.3404, 0.2563



63.6957, 0.2755, 0.3504



13.8682, 0.3179, 0.3121



10.7757, 0.4046, 0.2003



0.7617, 0.3888, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 41.8125, 0.3346, 0.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

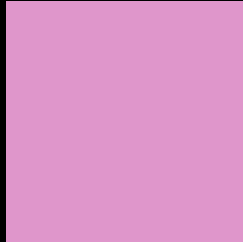
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8125, 0.3346, 0.2685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

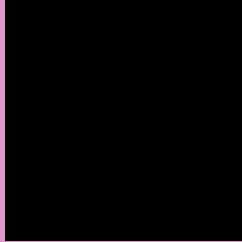
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8125, 0.3346, 0.2685**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8125, 0.3346, 0.2685.



This preview shows how white text looks on a background with the Yxy color 41.8125, 0.3346, 0.2685.

# 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

41.8125, 0.3346, 0.2685

### Protanopia

42.2484, 0.2698, 0.2694

### Deuteranopia

41.9644, 0.2962, 0.2900



## Tritanopia

41.6642, 0.3639, 0.3147

# Trichromacy



## Original Color

41.8125, 0.3346, 0.2685



## Protanomaly

41.5454, 0.2903, 0.2677



## Deuteranomaly

41.4801, 0.3095, 0.2816



## Tritanomaly

41.6630, 0.3524, 0.2971

# Monochromacy



## Original Color

41.8125, 0.3346, 0.2685



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

43.0625, 0.3202, 0.3049

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8125, 0.3346, 0.2685 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(223, 150, 203)` looks like.

```
.text, #text, p{  
    color:rgb(223, 150, 203)  
}
```

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(223, 150, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 150, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8125, 0.3346, 0.2685 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(223, 150, 203) }
```

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

```
.border{ border-color:rgb(223, 150, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 150, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 150, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 150, 203);  
box-shadow:4px 4px 4px 4px rgb(223, 150,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8125, 0.3346, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 150, 203) }
```

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

```
.background{ background-color: rgb(223,  
150, 203) }
```

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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