

# Converting Colors

Yxy(41.9605, 0.3186, 0.2538)

Have a look what the booklet for  
Yxy(41.9605, 0.3186, 0.2538)  
contains.

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# Color

**Yxy(41.8825, 0.3181, 0.2531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB96D9
RGB	219, 150, 217
RGB Percent	86%, 59%, 85%
CMY	0.1413, 0.4117, 0.1490
CMYK	0.00, 0.31, 0.01, 0.14
HSL	302°, 49%, 72%
HSV	302°, 31%, 86%
XYZ	52.6386, 41.8825, 70.9570
YIQ	178.2690, 19.6170, 35.4650

# Conversions

## Conversions Part 2

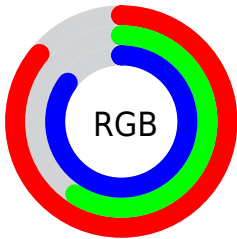
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 150, 217
Decimal	14391001
CIE <sub>Lab</sub>	70.79, 36.51, -23.76
CIE <sub>LCh</sub>	71, 43.562, 326.947
Yxy	41.8825, 0.3181, 0.2531
Android (android.graphics.Color)	4292581081 (0xFFDB96D9)
YUV	178.2690, 19.0944, 35.7211
Hunter-Lab	64.7167, 31.9322, -19.7054

# Details

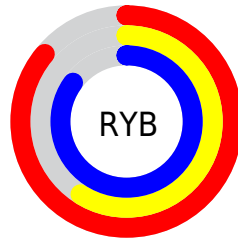
The Yxy color **41.8825, 0.3181, 0.2531** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.4025, 0.3072, 0.4188**, and the grayscale version is **44.5608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **19.1305, 0.3184, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **35.5032, 0.3199, 0.2300**, and if you desaturate by 10%, it is **49.5714, 0.3163, 0.2773**.

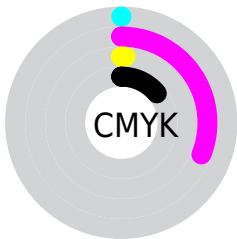
# Distribution



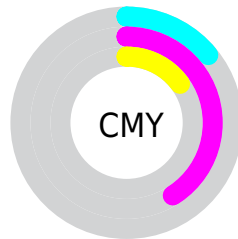
- Red (86%)
- Green (59%)
- Blue (85%)



- Red (86%)
- Yellow (59%)
- Blue (85%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)
- Black (14%)




- Cyan (14%)
- Magenta (41%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8825, 0.3181, 0.2531 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 41.8825, 0.3181, 0.2531 by changing the saturation by 10% instead.




 41.8825, 0.3181,  
0.2531


 41.8825, 0.3181,  
0.2531

353.9956, 0.3163,  
0.2892

 29.0093, 0.3183,  
0.2446


 78.0218, 0.3177,  
0.2658

 19.0879, 0.3184,  
0.2341


 102.0566, 0.3174,  
0.2707

 11.7338, 0.3183,  
0.2207


130.5808, 0.3172,  
0.2749

 6.5627, 0.3177,  
0.2029

163.9787, 0.3170,  
0.2785

 3.1901, 0.3162,  
0.1786

202.6348, 0.3168,  
0.2817

 1.2318, 0.3119,  
0.1439

246.9333, 0.3167,


 0.0874, 0.3206,

0.2845


0.0286


297.2588, 0.3165,  
0.2870


 0.0000, 0.0000,  
0.0000


 41.8825, 0.3181,  
0.2531


 41.8825, 0.3181,  
0.2531

 35.5032, 0.3199,  
0.2300


 49.5714, 0.3163,  
0.2773


 30.3551, 0.3217,  
0.2089


 58.6317, 0.3146,  
0.3016

 26.3601, 0.3234,  
0.1908


 69.1277, 0.3129,  
0.3255


 23.4287, 0.3250,  
0.1764


 81.1182, 0.3115,  
0.3484

 21.4583, 0.3263,  
0.1663

 91.7507, 0.3103,  
0.3655

 20.3262, 0.3275,  
0.1605

 91.7840, 0.3099,  
0.3648

 19.8458, 0.3283,  
0.1582

 91.8174, 0.3096,  
0.3641

 91.8509, 0.3092,  
0.3634

 91.8845, 0.3089,  
0.3628

# Harmonies

## Analogous

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



41.8825, 0.2588, 0.2334



41.8825, 0.3181, 0.2531



41.8825, 0.3818, 0.2888

# Triad

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



41.8825, 0.3181, 0.2531



41.8825, 0.4108, 0.4243



41.8825, 0.2097, 0.3064

# Complementary

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



41.8825, 0.3181, 0.2531



59.4025, 0.3072, 0.4188

# 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.



41.8825, 0.2434, 0.3711



41.8825, 0.3181, 0.2531



41.8825, 0.3590, 0.4445

# Square

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



41.8825, 0.3181, 0.2531



41.8825, 0.4374, 0.3826



41.8825, 0.2976, 0.4261



41.8825, 0.2014, 0.2579



# Rectangle

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



41.8825, 0.3181, 0.2531



41.8825, 0.4156, 0.3185



41.8825, 0.2976, 0.4261



41.8825, 0.2182, 0.3271

# Sweetspot

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



41.8843, 0.3181, 0.2531



86.1792, 0.3142, 0.3075



33.5266, 0.2577, 0.2368



18.0019, 0.3144, 0.3039



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.



41.8843, 0.3181, 0.2531



52.7906, 0.3194, 0.2371



40.3078, 0.3498, 0.2895



13.2681, 0.3142, 0.3066



11.7735, 0.3282, 0.1581



0.7648, 0.3269, 0.1574



# Inverse Universe

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



41.8843, 0.3181, 0.2531



52.7906, 0.3194, 0.2371



60.6660, 0.2869, 0.3724



13.2681, 0.3142, 0.3066



11.7735, 0.3282, 0.1581



0.7648, 0.3269, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 41.8825, 0.3181, 0.2531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

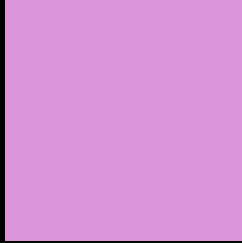
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8825, 0.3181, 0.2531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

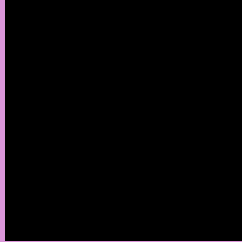
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8825, 0.3181, 0.2531**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8825, 0.3181, 0.2531.

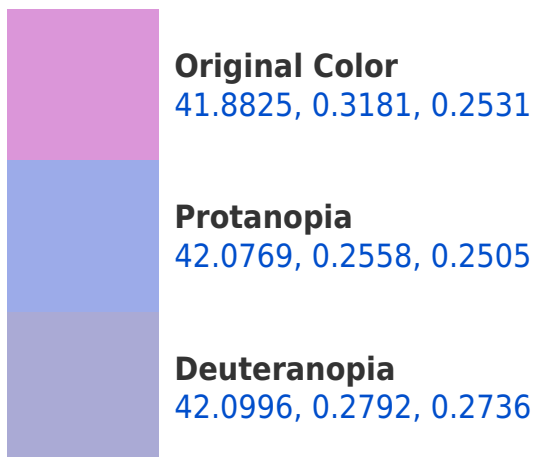


This preview shows how white text looks on a background with the Yxy color 41.8825, 0.3181, 0.2531.

# 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





## Tritanopia

41.8827, 0.3543, 0.3144

# Trichromacy



## Original Color

41.8825, 0.3181, 0.2531



## Protanomaly

41.3241, 0.2759, 0.2503



## Deuteranomaly

41.7408, 0.2929, 0.2659



## Tritanomaly

41.8548, 0.3404, 0.2908

# Monochromacy



## Original Color

41.8825, 0.3181, 0.2531



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

43.1485, 0.3150, 0.2987

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8825, 0.3181, 0.2531 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, 150, 217)` looks like.

```
.text, #text, p{  
    color:rgb(219, 150, 217)  
}
```

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, 150, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 150, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8825, 0.3181, 0.2531 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, 150, 217) }
```

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

```
.border{ border-color:rgb(219, 150, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 150, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 150, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 150, 217);  
box-shadow:4px 4px 4px 4px rgb(219, 150,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8825, 0.3181, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 150, 217) }
```

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

```
.background{ background-color: rgb(219,  
150, 217) }
```

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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