

# Converting Colors

$Yxy(41.6919, 0.2820, 0.2436)$

Have a look what the booklet for  
Yxy(41.6919, 0.2820, 0.2436)  
contains.

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# Color

**Yxy(41.6422, 0.2824, 0.2435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF9FE7
RGB	191, 159, 231
RGB Percent	75%, 62%, 91%
CMY	0.2512, 0.3764, 0.0942
CMYK	0.17, 0.31, 0.00, 0.09
HSL	267°, 60%, 76%
HSV	267°, 31%, 91%
XYZ	48.2947, 41.6422, 81.0783
YIQ	176.7760, -4.0400, 29.1760

# Conversions

## Conversions Part 2

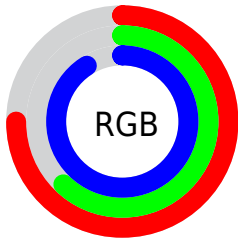
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 159, 231
Decimal	12558311
CIE <sub>Lab</sub>	70.62, 25.61, -31.93
CIE <sub>LCh</sub>	71, 40.928, 308.733
Yxy	41.6422, 0.2824, 0.2435
Android (android.graphics.Color)	4290748391 (0xFFBF9FE7)
YUV	176.7760, 26.7324, 12.4744
Hunter-Lab	64.5308, 20.6602, -29.3221

# Details

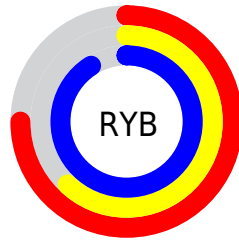
The Yxy color **41.6422, 0.2824, 0.2435** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.7960, 0.3360, 0.4131**, and the grayscale version is **43.7002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2696, 0.3097, 0.2884**, and **18.9289, 0.2735, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **32.8332, 0.2698, 0.2130**, and if you desaturate by 10%, it is **52.0851, 0.2936, 0.2730**.

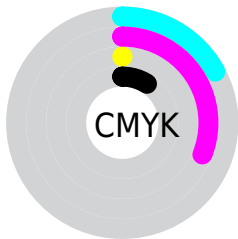
# Distribution



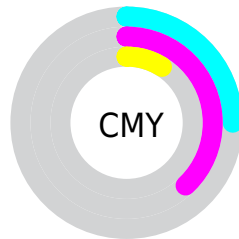
- Red (75%)
- Green (62%)
- Blue (91%)



- Red (75%)
- Yellow (62%)
- Blue (91%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)




- Cyan (25%)
- Magenta (38%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6422, 0.2824, 0.2435 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 41.6422, 0.2824, 0.2435 by changing the saturation by 10% instead.




 41.6422, 0.2824,  
0.2435


 41.6422, 0.2824,  
0.2435


352.9976, 0.2984,  
0.2842

 28.8212, 0.2783,  
0.2340


 77.6578, 0.2883,  
0.2578

 18.9456, 0.2729,  
0.2222


 101.6213, 0.2905,  
0.2633

 11.6310, 0.2656,  
0.2072


130.0676, 0.2924,  
0.2681

 6.4929, 0.2555,  
0.1876

163.3814, 0.2939,  
0.2722

 3.1471, 0.2403,  
0.1611

201.9468, 0.2953,  
0.2758

 1.2090, 0.2162,  
0.1243

246.1484, 0.2964,


 0.0690, 0.1824,


0.2789


0.0182


296.3705, 0.2975,  
0.2817

 0.0000, 0.0000,  
0.0000


 41.6422, 0.2824,  
0.2435

 41.6422, 0.2824,  
0.2435


 32.8332, 0.2698,  
0.2130


 52.0851, 0.2936,  
0.2730

 25.5665, 0.2561,  
0.1825


 64.2369, 0.3034,  
0.3007

 19.7490, 0.2417,  
0.1536

 78.1739, 0.3118,  
0.3262

 15.2748, 0.2271,  
0.1278

 93.9663, 0.3190,  
0.3494

 12.0233, 0.2131,  
0.1067

 98.5484, 0.3268,  
0.3523

■ 9.8504, 0.2003,  
0.0914

■ 8.6199, 0.1904,  
0.0823

# Harmonies

## Analogous

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



41.6422, 0.2359, 0.2362



41.6422, 0.2824, 0.2435



41.6422, 0.3421, 0.2689

# Triad

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



41.6422, 0.2824, 0.2435



41.6422, 0.4243, 0.3971



41.6422, 0.2320, 0.3443

# Complementary

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



41.6422, 0.2824, 0.2435



71.7960, 0.3360, 0.4131

# 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.



41.6422, 0.2770, 0.4027



41.6422, 0.2824, 0.2435



41.6422, 0.3886, 0.4299

# Square

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



41.6422, 0.2824, 0.2435



41.6422, 0.4288, 0.3527



41.6422, 0.3343, 0.4353



41.6422, 0.2090, 0.2876



# Rectangle

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



41.6422, 0.2824, 0.2435



41.6422, 0.3811, 0.2935



41.6422, 0.3343, 0.4353



41.6422, 0.2449, 0.3649

# Sweetspot

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



41.6439, 0.2824, 0.2435



83.8793, 0.3053, 0.3063



54.3590, 0.2636, 0.2904



17.4333, 0.3040, 0.3024



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.



41.6439, 0.2824, 0.2435



45.2141, 0.2749, 0.2251



46.7732, 0.3122, 0.2507



14.1984, 0.3049, 0.3052



4.9044, 0.1921, 0.0832



0.4167, 0.2084, 0.0922



# Inverse Universe

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



45.9185, 0.3445, 0.2842



51.4392, 0.3529, 0.2752



67.5190, 0.3115, 0.4198



14.5016, 0.3206, 0.3160



10.4313, 0.4716, 0.2372

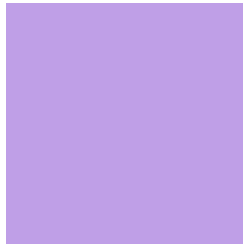


0.7895, 0.4436, 0.2217



# Previews

## White Background



This preview shows how the Yxy color 41.6422, 0.2824, 0.2435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

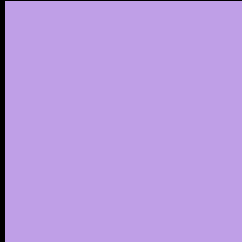
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6422, 0.2824, 0.2435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

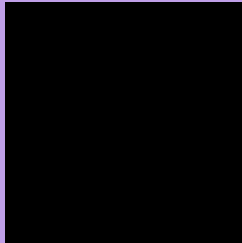
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6422, 0.2824, 0.2435**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6422, 0.2824, 0.2435.



This preview shows how white text looks on a background with the Yxy color 41.6422, 0.2824, 0.2435.

# 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

41.6422, 0.2824, 0.2435

### Protanopia

41.7161, 0.2489, 0.2411

### Deuteranopia

41.7775, 0.2602, 0.2539



## Tritanopia

41.8206, 0.3144, 0.3119

# Trichromacy



## Original Color

41.6422, 0.2824, 0.2435

## Protanomaly

41.4939, 0.2597, 0.2414

## Deuteranomaly

41.6435, 0.2679, 0.2495

## Tritanomaly

41.5195, 0.3023, 0.2844

# Monochromacy



## Original Color

41.6422, 0.2824, 0.2435

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

42.7258, 0.3012, 0.2942

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6422, 0.2824, 0.2435 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(191, 159, 231)` looks like.

```
.text, #text, p{  
    color:rgb(191, 159, 231)  
}
```

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(191, 159, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 159, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6422, 0.2824, 0.2435 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(191, 159, 231) }
```

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

```
.border{ border-color:rgb(191, 159, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 159, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 159, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 159, 231);  
box-shadow:4px 4px 4px 4px rgb(191, 159,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6422, 0.2824, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 159, 231) }
```

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

```
.background{ background-color: rgb(191,  
159, 231) }
```

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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