

# Converting Colors

$Yxy(41.5384, 0.2995, 0.2889)$

Have a look what the booklet for  
Yxy(41.5384, 0.2995, 0.2889)  
contains.

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# Color

**Yxy(41.5384, 0.2995, 0.2889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A7C6
RGB	181, 167, 198
RGB Percent	71%, 65%, 78%
CMY	0.2903, 0.3450, 0.2235
CMYK	0.09, 0.16, 0.00, 0.22
HSL	267°, 21%, 72%
HSV	267°, 16%, 78%
XYZ	43.0625, 41.5384, 59.1804
YIQ	174.7200, -1.6070, 12.6090

# Conversions

## Conversions Part 2

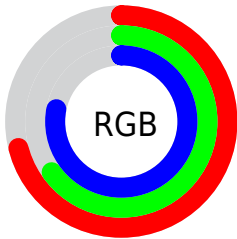
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 167, 198
Decimal	11904966
CIE <sub>Lab</sub>	70.55, 10.96, -13.99
CIE <sub>LCh</sub>	71, 17.771, 308.062
Yxy	41.5384, 0.2995, 0.2889
Android (android.graphics.Color)	4290095046 (0xFFB5A7C6)
YUV	174.7200, 11.4770, 5.5076
Hunter-Lab	64.4503, 6.4768, -9.3268

# Details

The Yxy color **41.5384, 0.2995, 0.2889** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.3817, 0.3244, 0.3688**, and the grayscale version is **42.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4671, 0.3019, 0.2957**, and **18.8643, 0.2955, 0.2778** is the 20% darker color. If you saturate the color by 10%, you get **33.5662, 0.2893, 0.2607**, and if you desaturate by 10%, it is **50.7278, 0.3083, 0.3152**.

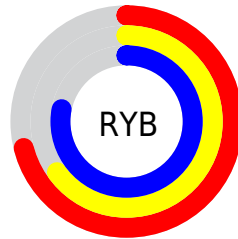
# Distribution



Red (71%)

Green (65%)

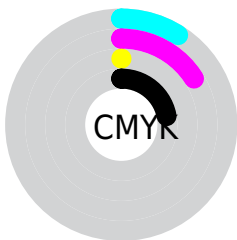
Blue (78%)



Red (71%)

Yellow (65%)

Blue (78%)

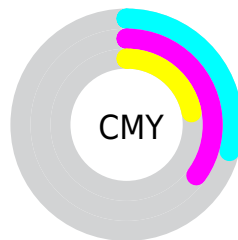


Cyan (9%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (35%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5384, 0.2995, 0.2889 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 41.5384, 0.2995, 0.2889 by changing the saturation by 10% instead.




 41.5384, 0.2995,  
0.2889


 41.5384, 0.2995,  
0.2889


352.5658, 0.3064,  
0.3088

 28.7400, 0.2977,  
0.2840


 77.5005, 0.3021,  
0.2961

 18.8842, 0.2953,  
0.2777


 101.4331, 0.3030,  
0.2988

 11.5867, 0.2921,  
0.2694


129.8458, 0.3038,  
0.3011

 6.4629, 0.2875,  
0.2579


163.1231, 0.3045,  
0.3031

 3.1285, 0.2802,  
0.2410

201.6493, 0.3051,  
0.3048

 1.1992, 0.2675,  
0.2140

245.8090, 0.3056,

 0.0611, 0.2271,

0.3063

0.0426

295.9863, 0.3060,  
0.3076

0.0000, 0.0000,  
0.0000

41.5384, 0.2995,  
0.2889

41.5384, 0.2995,  
0.2889

33.5662, 0.2893,  
0.2607

50.7278, 0.3083,  
0.3152

26.7533, 0.2778,  
0.2310

61.1786, 0.3158,  
0.3391

21.0448, 0.2650,  
0.2007

72.9391, 0.3222,  
0.3608

16.3791, 0.2512,  
0.1710

86.0535, 0.3275,  
0.3802

12.6883, 0.2369,  
0.1435

93.3300, 0.3336,  
0.3874

■ 9.8965, 0.2227,  
0.1197

■ 95.2449, 0.3408,  
0.3861

■ 7.9153, 0.2093,  
0.1009

■ 96.8577, 0.3466,  
0.3850

■ 6.6365, 0.1973,  
0.0880

■ 6.2075, 0.1925,  
0.0834

# Harmonies

## Analogous

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



41.5384, 0.2778, 0.2865



41.5384, 0.2995, 0.2889



41.5384, 0.3257, 0.3009

# Triad

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



41.5384, 0.2995, 0.2889



41.5384, 0.3620, 0.3612



41.5384, 0.2772, 0.3371

# Complementary

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



41.5384, 0.2995, 0.2889



53.3817, 0.3244, 0.3688

# 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.



41.5384, 0.2986, 0.3597



41.5384, 0.2995, 0.2889



41.5384, 0.3477, 0.3733

# Square

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



41.5384, 0.2995, 0.2889



41.5384, 0.3626, 0.3416



41.5384, 0.3244, 0.3732



41.5384, 0.2653, 0.3131



# Rectangle

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



41.5384, 0.2995, 0.2889



41.5384, 0.3420, 0.3130



41.5384, 0.3244, 0.3732



41.5384, 0.2834, 0.3452

# Sweetspot

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



41.5402, 0.2995, 0.2889



90.8275, 0.3088, 0.3166



46.6019, 0.2885, 0.3106



19.1749, 0.3082, 0.3148



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.



41.5402, 0.2995, 0.2889



68.1802, 0.2960, 0.2789



43.5183, 0.3131, 0.2905



10.5173, 0.3052, 0.3056



4.0857, 0.1939, 0.0842



0.2363, 0.2178, 0.0973



# Inverse Universe

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



43.1134, 0.3265, 0.3076



71.5622, 0.3303, 0.3024



51.5708, 0.3120, 0.3704



10.7329, 0.3205, 0.3164



8.5416, 0.4731, 0.2380

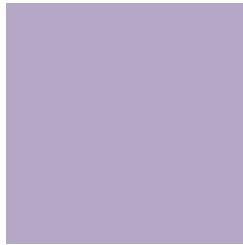


0.4189, 0.4330, 0.2159



# Previews

## White Background



This preview shows how the Yxy color 41.5384, 0.2995, 0.2889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

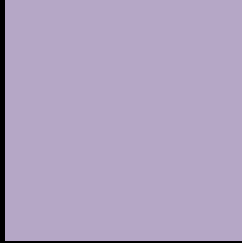
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5384, 0.2995, 0.2889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

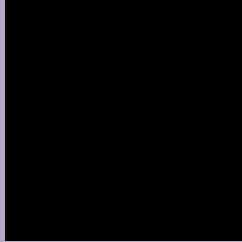
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.5384, 0.2995, 0.2889**

## Background



This preview shows how black text looks on a background with the Yxy color 41.5384, 0.2995, 0.2889.



This preview shows how white text looks on a background with the Yxy color 41.5384, 0.2995, 0.2889.

# 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

41.5384, 0.2995, 0.2889

### Protanopia

41.5584, 0.2856, 0.2892

### Deuteranopia

41.4296, 0.2961, 0.2898



## Tritanopia

41.7521, 0.3099, 0.3117

# Trichromacy



## Original Color

41.5384, 0.2995, 0.2889

## Protanomaly

41.6902, 0.2904, 0.2895

## Deuteranomaly

41.5475, 0.2970, 0.2899

## Tritanomaly

41.7101, 0.3067, 0.3040

# Monochromacy



## Original Color

41.5384, 0.2995, 0.2889

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.2711, 0.3081, 0.3143

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5384, 0.2995, 0.2889 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(181, 167, 198)` looks like.

```
.text, #text, p{  
    color:rgb(181, 167, 198)  
}
```

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(181, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 167, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5384, 0.2995, 0.2889 is called "border". The border property can be set on classes, ids or directly on the HTML element.

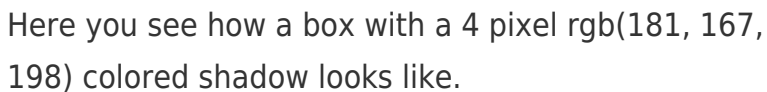
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 167, 198) }
```

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

```
.border{ border-color:rgb(181, 167, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 167, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 167, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 167, 198); box-shadow:4px 4px 4px 4px rgb(181, 167, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5384, 0.2995, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 167, 198) }
```

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

```
.background{ background-color: rgb(181,  
167, 198) }
```

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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