

# Converting Colors

$Y_{xy}(41.4958, 0.2802, 0.2743)$

Have a look what the booklet for  
Yxy(41.4958, 0.2802, 0.2743)  
contains.

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# Color

**Yxy(41.6251, 0.2806, 0.2746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAA9D3
RGB	170, 169, 211
RGB Percent	67%, 66%, 83%
CMY	0.3331, 0.3373, 0.1725
CMYK	0.19, 0.20, 0.00, 0.17
HSL	242°, 32%, 75%
HSV	242°, 20%, 83%
XYZ	42.5346, 41.6251, 67.4248
YIQ	174.0870, -12.8860, 13.2740

# Conversions

## Conversions Part 2

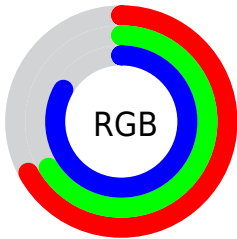
Format	Color
<b>RYB</b>	170, 169, 211
Decimal	11184595
CIELab	70.61, 9.12, -21.14
CIELCh	71, 23.024, 293.338
Yxy	41.6251, 0.2806, 0.2746
Android (android.graphics.Color)	4289374675 (0xFFAAA9D3)
YUV	174.0870, 18.1981, -3.5843
Hunter-Lab	64.5175, 4.7744, -16.7994

# Details

The Yxy color **41.6251, 0.2806, 0.2746** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.1463, 0.3417, 0.3784**, and the grayscale version is **42.2896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7001, 0.2946, 0.2971**, and **18.9048, 0.2711, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **32.2843, 0.2615, 0.2425**, and if you desaturate by 10%, it is **52.5944, 0.2977, 0.3036**.

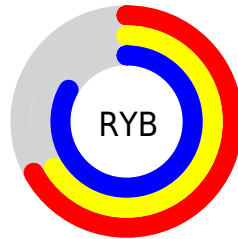
# Distribution



Red (67%)

Green (66%)

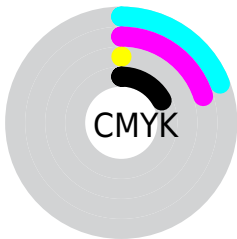
Blue (83%)



Red (67%)

Yellow (66%)

Blue (83%)

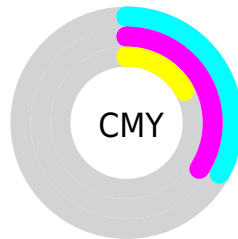


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (34%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6251, 0.2806, 0.2746 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 41.6251, 0.2806, 0.2746 by changing the saturation by 10% instead.



■ 41.6251, 0.2806,  
0.2746

■ 41.6251, 0.2806,  
0.2746

■ 352.9265, 0.2970,  
0.3015

■ 28.8078, 0.2764,  
0.2680

■ 77.6319, 0.2866,  
0.2843

■ 18.9355, 0.2711,  
0.2596

■ 101.5903, 0.2889,  
0.2879

■ 11.6237, 0.2638,  
0.2487

■ 130.0311, 0.2907,  
0.2911

■ 6.4880, 0.2537,  
0.2337

■ 163.3388, 0.2924,  
0.2937

■ 3.1440, 0.2386,  
0.2121

■ 201.8978, 0.2938,  
0.2961

■ 1.2074, 0.2139,  
0.1789

■ 246.0925, 0.2950,

■ 0.0677, 0.1411,

0.2981

0.0333

296.3073, 0.2960,  
0.2999

0.0000, 0.0000,  
0.0000

41.6251, 0.2806,  
0.2746

41.6251, 0.2806,  
0.2746

32.2843, 0.2615,  
0.2425

52.5944, 0.2977,  
0.3036

24.4896, 0.2410,  
0.2080

65.2593, 0.3128,  
0.3292

18.1592, 0.2197,  
0.1726

79.6891, 0.3259,  
0.3515

13.2017, 0.1991,  
0.1384

95.9480, 0.3372,  
0.3708

9.5154, 0.1806,  
0.1081

97.4835, 0.3388,  
0.3721

■ 6.9844, 0.1658,  
0.0841

■ 5.4721, 0.1558,  
0.0684

■ 4.7436, 0.1507,  
0.0604

■ 4.7387, 0.1507,  
0.0604

# Harmonies

## Analogous

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



41.6251, 0.2584, 0.2778



41.6251, 0.2806, 0.2746



41.6251, 0.3124, 0.2844

# Triad

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



41.6251, 0.2806, 0.2746



41.6251, 0.3794, 0.3582



41.6251, 0.2790, 0.3549

# Complementary

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



41.6251, 0.2806, 0.2746



63.1463, 0.3417, 0.3784

# 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.



41.6251, 0.3102, 0.3801



41.6251, 0.2806, 0.2746



41.6251, 0.3689, 0.3799

# Square

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



41.6251, 0.2806, 0.2746



41.6251, 0.3710, 0.3309



41.6251, 0.3432, 0.3889



41.6251, 0.2575, 0.3227



# Rectangle

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



41.6251, 0.2806, 0.2746



41.6251, 0.3352, 0.2968



41.6251, 0.3432, 0.3889



41.6251, 0.2887, 0.3646

# Sweetspot

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



41.6268, 0.2806, 0.2746



87.9056, 0.3038, 0.3139



59.3815, 0.2831, 0.3280



18.5463, 0.3028, 0.3121



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.



41.6268, 0.2806, 0.2746



57.3674, 0.2725, 0.2610



44.1101, 0.2976, 0.2772



11.4320, 0.2986, 0.3050



2.8664, 0.1509, 0.0605



0.1655, 0.1538, 0.0621



# Inverse Universe

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



46.8689, 0.3159, 0.2811



66.8732, 0.3167, 0.2705



60.3127, 0.3255, 0.3810



12.0036, 0.3142, 0.3067



11.0365, 0.3274, 0.1577



0.6188, 0.3261, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 41.6251, 0.2806, 0.2746 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 41.6251, 0.2806, 0.2746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

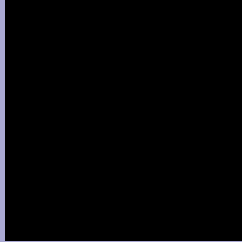
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6251, 0.2806, 0.2746**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6251, 0.2806, 0.2746.



This preview shows how white text looks on a background with the Yxy color 41.6251, 0.2806, 0.2746.

# 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

41.6251, 0.2806, 0.2746

### Protanopia

41.6658, 0.2745, 0.2753

### Deuteranopia

41.6251, 0.2806, 0.2746



## Tritanopia

41.5820, 0.2954, 0.3099

# Trichromacy



## Original Color

41.6251, 0.2806, 0.2746

## Protanomaly

41.6099, 0.2768, 0.2743

## Deuteranomaly

41.6251, 0.2806, 0.2746

## Tritanomaly

41.7061, 0.2894, 0.2969

# Monochromacy



## Original Color

41.6251, 0.2806, 0.2746

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.9771, 0.3014, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6251, 0.2806, 0.2746 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(170, 169, 211)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 211)  
}
```

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(170, 169, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6251, 0.2806, 0.2746 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(170, 169, 211) }
```

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

```
.border{ border-color:rgb(170, 169, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 169, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 169, 211); box-shadow:4px 4px 4px 4px rgb(170, 169, 211) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6251, 0.2806, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 211) }
```

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

```
.background{ background-color: rgb(170,  
169, 211) }
```

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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