

# Converting Colors

$Yxy(42.1869, 0.3029, 0.3258)$

Have a look what the booklet for  
Yxy(42.1869, 0.3029, 0.3258)  
contains.

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# Color

**Yxy(41.9813, 0.3025, 0.3248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6AFB2
RGB	166, 175, 178
RGB Percent	65%, 69%, 70%
CMY	0.3489, 0.3138, 0.3019
CMYK	0.07, 0.02, 0.00, 0.30
HSL	195°, 7%, 67%
HSV	195°, 7%, 70%
XYZ	39.0990, 41.9813, 48.1725
YIQ	172.6510, -6.3270, -0.9750

# Conversions

## Conversions Part 2

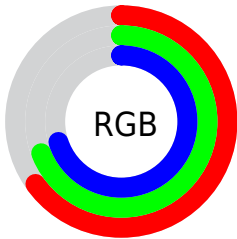
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 171, 178
Decimal	10923954
CIELab	70.86, -2.53, -2.64
CIElCh	71, 3.657, 226.255
Yxy	41.9813, 0.3025, 0.3248
Android (android.graphics.Color)	4289114034 (0xFFA6AFB2)
YUV	172.6510, 2.6371, -5.8329
Hunter-Lab	64.7930, -5.6729, 1.2740

# Details

The Yxy color **41.9813, 0.3025, 0.3248** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.6228, 0.3236, 0.3332**, and the grayscale version is **41.5951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4645, 0.3041, 0.3258**, and **19.2240, 0.2998, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **38.4673, 0.2874, 0.3180**, and if you desaturate by 10%, it is **45.8235, 0.3177, 0.3309**.

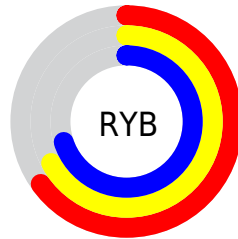
# Distribution



Red (65%)

Green (69%)

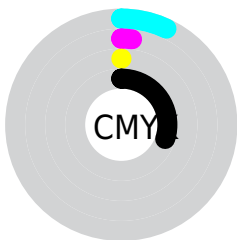
Blue (70%)



Red (65%)

Yellow (67%)

Blue (70%)

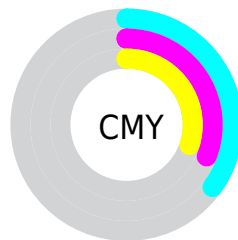


Cyan (7%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (35%)

Magenta (31%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9813, 0.3025, 0.3248 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 41.9813, 0.3025, 0.3248 by changing the saturation by 10% instead.




 41.9813, 0.3025,  
0.3248


 41.9813, 0.3025,  
0.3248


354.4054, 0.3077,  
0.3270

 29.0866, 0.3012,  
0.3242


 78.1713, 0.3044,  
0.3256

 19.1464, 0.2995,  
0.3235


 102.2355, 0.3051,  
0.3259

 11.7761, 0.2972,  
0.3225


130.7916, 0.3057,  
0.3261

 6.5914, 0.2939,  
0.3211

164.2241, 0.3062,  
0.3264

 3.2079, 0.2888,  
0.3189

202.9173, 0.3067,  
0.3265

 1.2412, 0.2801,  
0.3149

247.2557, 0.3070,

 0.0950, 0.0694,

0.3267

0.2307

297.6236, 0.3074,  
0.3268

0.0000, 0.0000,  
0.0000

41.9813, 0.3025,  
0.3248

41.9813, 0.3025,  
0.3248

38.4673, 0.2874,  
0.3180

45.8235, 0.3177,  
0.3309

35.2649, 0.2726,  
0.3107

49.9995, 0.3327,  
0.3364

32.3635, 0.2584,  
0.3027

54.5213, 0.3473,  
0.3413

29.7501, 0.2452,  
0.2942

59.3986, 0.3615,  
0.3457

27.4106, 0.2333,  
0.2853

64.6316, 0.3750,  
0.3495

■ 25.3291, 0.2229,  
0.2762

■ 66.7126, 0.3736,  
0.3541

■ 23.4883, 0.2143,  
0.2668

■ 68.8552, 0.3723,  
0.3587

■ 21.8676, 0.2077,  
0.2575

■ 71.0599, 0.3709,  
0.3632

■ 20.4392, 0.2029,  
0.2482

■ 73.3272, 0.3696,  
0.3677

# Harmonies

## Analogous

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



41.9813, 0.3044, 0.3295



41.9813, 0.3025, 0.3248



41.9813, 0.3033, 0.3213

# Triad

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



41.9813, 0.3025, 0.3248



41.9813, 0.3169, 0.3241



41.9813, 0.3188, 0.3382

# Complementary

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



41.9813, 0.3025, 0.3248



40.6228, 0.3236, 0.3332

# 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.



41.9813, 0.3222, 0.3367



41.9813, 0.3025, 0.3248



41.9813, 0.3211, 0.3285

# Square

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



41.9813, 0.3025, 0.3248



41.9813, 0.3116, 0.3210



41.9813, 0.3231, 0.3331



41.9813, 0.3138, 0.3373



# Rectangle

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



41.9813, 0.3025, 0.3248



41.9813, 0.3053, 0.3201



41.9813, 0.3231, 0.3331



41.9813, 0.3202, 0.3380

# Sweetspot

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



41.9831, 0.3025, 0.3248



79.3094, 0.3096, 0.3278



42.8261, 0.3095, 0.3415



17.5875, 0.3098, 0.3278



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9831, 0.3025, 0.3248



75.1818, 0.3004, 0.3239



39.7146, 0.3026, 0.3165



9.2605, 0.2986, 0.3231



14.4079, 0.2017, 0.2463



0.5399, 0.2089, 0.2720



# Inverse Universe

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



39.8484, 0.3161, 0.3169



70.5633, 0.3168, 0.3143



42.8918, 0.3229, 0.3412



8.6093, 0.3175, 0.3121



7.9946, 0.3960, 0.1955

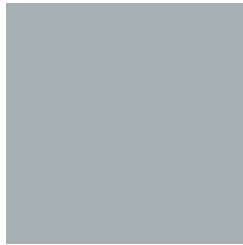


0.2603, 0.3710, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 41.9813, 0.3025, 0.3248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

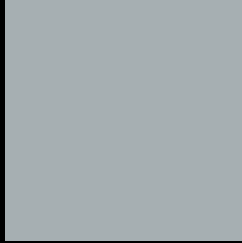
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9813, 0.3025, 0.3248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

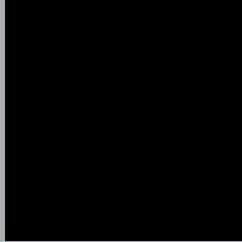
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

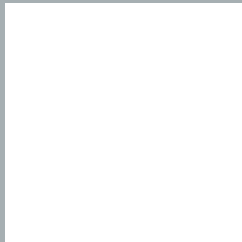
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.9813, 0.3025, 0.3248**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9813, 0.3025, 0.3248.



This preview shows how white text looks on a background with the Yxy color 41.9813, 0.3025, 0.3248.

# 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

41.9813, 0.3025, 0.3248

### Protanopia

41.7536, 0.3121, 0.3236

### Deuteranopia

41.8247, 0.3207, 0.3146



## Tritanopia

42.1848, 0.2971, 0.3114

# Trichromacy



## Original Color

41.9813, 0.3025, 0.3248

## Protanomaly

41.8321, 0.3085, 0.3235

## Deuteranomaly

41.9642, 0.3132, 0.3183

## Tritanomaly

41.9483, 0.2986, 0.3153

# Monochromacy



## Original Color

41.9813, 0.3025, 0.3248

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.9133, 0.3084, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9813, 0.3025, 0.3248 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(166, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(166, 175, 178)  
}
```

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(166, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 175, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9813, 0.3025, 0.3248 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(166, 175, 178) }
```

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

```
.border{ border-color:rgb(166, 175, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 175, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(166, 175,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9813, 0.3025, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 175, 178) }
```

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

```
.background{ background-color: rgb(166,  
175, 178) }
```

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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