

# Converting Colors

$Yxy(42.3207, 0.2907, 0.3021)$

Have a look what the booklet for  
Yxy(42.3207, 0.2907, 0.3021)  
contains.

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# Color

**Yxy(42.3826, 0.2910, 0.3022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7AEC2
RGB	167, 174, 194
RGB Percent	65%, 68%, 76%
CMY	0.3450, 0.3176, 0.2393
CMYK	0.14, 0.10, 0.00, 0.24
HSL	224°, 18%, 71%
HSV	224°, 14%, 76%
XYZ	40.8118, 42.3826, 57.0524
YIQ	174.1870, -10.5920, 4.7360

# Conversions

## Conversions Part 2

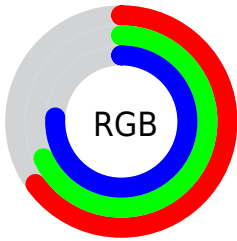
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	167, 173, 194
Decimal	10989250
CIE Lab	71.13, 1.64, -11.01
CIE LCh	71, 11.128, 278.450
Yxy	42.3826, 0.2910, 0.3022
Android (android.graphics.Color)	4289179330 (0xFFA7AEC2)
YUV	174.1870, 9.7678, -6.3030
Hunter-Lab	65.1019, -2.0282, -6.3878

# Details

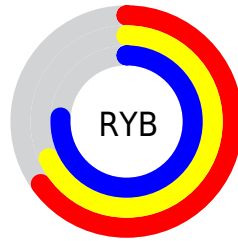
The Yxy color **42.3826, 0.2910, 0.3022** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.7992, 0.3345, 0.3544**, and the grayscale version is **42.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4703, 0.2951, 0.3071**, and **19.4574, 0.2852, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **35.1654, 0.2739, 0.2801**, and if you desaturate by 10%, it is **50.5150, 0.3069, 0.3219**.

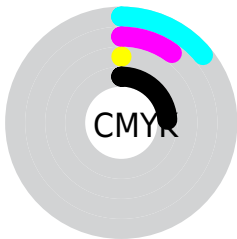
# Distribution



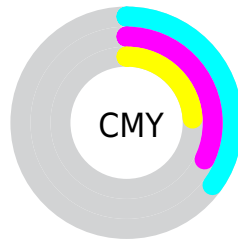
- Red (65%)
- Green (68%)
- Blue (76%)



- Red (65%)
- Yellow (68%)
- Blue (76%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (35%)
- Magenta (32%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3826, 0.2910, 0.3022 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 42.3826, 0.2910, 0.3022 by changing the saturation by 10% instead.



■ 42.3826, 0.2910,  
0.3022

■ 42.3826, 0.2910,  
0.3022

356.0665, 0.3020,  
0.3157

■ 29.4010, 0.2882,  
0.2988

■ 78.7783, 0.2950,  
0.3071

■ 19.3844, 0.2846,  
0.2944

■ 102.9613, 0.2965,  
0.3090

■ 11.9483, 0.2798,  
0.2885

131.6468, 0.2978,  
0.3105

■ 6.7085, 0.2729,  
0.2803

165.2192, 0.2989,  
0.3119

■ 3.2805, 0.2625,  
0.2679

204.0630, 0.2998,  
0.3130

■ 1.2799, 0.2451,  
0.2473

248.5626, 0.3006,

■ 0.1255, 0.1337,

0.3140

0.1054

299.1023, 0.3014,  
0.3149

0.0000, 0.0000,  
0.0000

42.3826, 0.2910,  
0.3022

42.3826, 0.2910,  
0.3022

35.1654, 0.2739,  
0.2801

50.5150, 0.3069,  
0.3219

28.8255, 0.2558,  
0.2557

59.5884, 0.3214,  
0.3394

23.3298, 0.2371,  
0.2294

69.6341, 0.3346,  
0.3547

18.6414, 0.2186,  
0.2018

80.6801, 0.3465,  
0.3680

14.7201, 0.2010,  
0.1738

91.0031, 0.3509,  
0.3807

■ 11.5222, 0.1852,  
0.1467

■ 96.6739, 0.3490,  
0.3890

■ 8.9991, 0.1722,  
0.1219

■ 7.0950, 0.1627,  
0.1009

■ 6.1902, 0.1584,  
0.0901

# Harmonies

## Analogous

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



42.3826, 0.2830, 0.3077



42.3826, 0.2910, 0.3022



42.3826, 0.3048, 0.3036

# Triad

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



42.3826, 0.2910, 0.3022



42.3826, 0.3436, 0.3375



42.3826, 0.3039, 0.3477

# Complementary

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



42.3826, 0.2910, 0.3022



49.7992, 0.3345, 0.3544

# 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.



42.3826, 0.3200, 0.3560



42.3826, 0.2910, 0.3022



42.3826, 0.3432, 0.3496

# Square

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



42.3826, 0.2910, 0.3022



42.3826, 0.3354, 0.3236



42.3826, 0.3345, 0.3565



42.3826, 0.2903, 0.3340



# Rectangle

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



42.3826, 0.2910, 0.3022



42.3826, 0.3157, 0.3082



42.3826, 0.3345, 0.3565



42.3826, 0.3092, 0.3512

# Sweetspot

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



42.3844, 0.2910, 0.3022



91.2796, 0.3066, 0.3216



50.3694, 0.2968, 0.3384



19.7293, 0.3055, 0.3202



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.



42.3844, 0.2910, 0.3022



72.2105, 0.2853, 0.2950



40.4624, 0.2961, 0.2932



10.1622, 0.2984, 0.3114



4.1855, 0.1590, 0.0922



0.2968, 0.1716, 0.1378



# Inverse Universe

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



42.1700, 0.3317, 0.3201



71.8438, 0.3372, 0.3178



52.0146, 0.3280, 0.3635



10.1197, 0.3249, 0.3231



7.7048, 0.5877, 0.3011

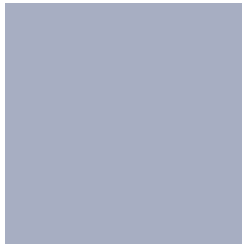


0.3446, 0.5221, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 42.3826, 0.2910, 0.3022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

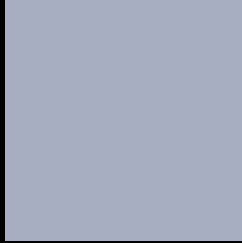
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3826, 0.2910, 0.3022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

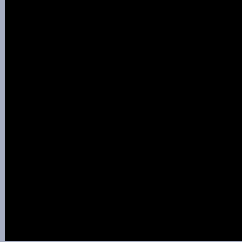
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

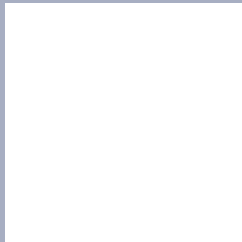
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.3826, 0.2910, 0.3022**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3826, 0.2910, 0.3022.



This preview shows how white text looks on a background with the Yxy color 42.3826, 0.2910, 0.3022.

# 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

42.3826, 0.2910, 0.3022

### Protanopia

42.3953, 0.2950, 0.3024

### Deuteranopia

42.1398, 0.3019, 0.2952



## Tritanopia

42.4411, 0.2940, 0.3100

# Trichromacy



## Original Color

42.3826, 0.2910, 0.3022

## Protanomaly

42.2834, 0.2942, 0.3023

## Deuteranomaly

42.2961, 0.2976, 0.2975

## Tritanomaly

42.5285, 0.2924, 0.3074

# Monochromacy



## Original Color

42.3826, 0.2910, 0.3022

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.2662, 0.3044, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3826, 0.2910, 0.3022 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(167, 174, 194)` looks like.

```
.text, #text, p{  
    color:rgb(167, 174, 194)  
}
```

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(167, 174, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 174, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3826, 0.2910, 0.3022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

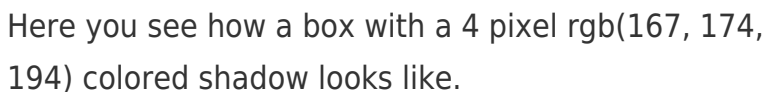
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 174, 194) }
```

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

```
.border{ border-color:rgb(167, 174, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 174, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 174, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 174, 194); box-shadow:4px 4px 4px 4px rgb(167, 174, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3826, 0.2910, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 174, 194) }
```

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

```
.background{ background-color: rgb(167,  
174, 194) }
```

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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