

# Converting Colors

$Y_{xy}(41.6738, 0.2889, 0.3004)$

Have a look what the booklet for  
Yxy(41.6738, 0.2889, 0.3004)  
contains.

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# Color

**Yxy(41.7815, 0.2893, 0.3007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5ADC2
RGB	165, 173, 194
RGB Percent	65%, 68%, 76%
CMY	0.3529, 0.3216, 0.2393
CMYK	0.15, 0.11, 0.00, 0.24
HSL	223°, 19%, 70%
HSV	223°, 15%, 76%
XYZ	40.1975, 41.7815, 56.9685
YIQ	173.0020, -11.5090, 4.8350

# Conversions

## Conversions Part 2

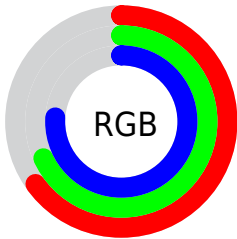
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	165, 171, 194
Decimal	10857922
CIE Lab	70.72, 1.52, -11.64
CIE LCh	71, 11.740, 277.424
Yxy	41.7815, 0.2893, 0.3007
Android (android.graphics.Color)	4289048002 (0xFFA5ADC2)
YUV	173.0020, 10.3520, -7.0178
Hunter-Lab	64.6386, -2.1119, -7.0075

# Details

The Yxy color **41.7815, 0.2893, 0.3007** is a light color, and the websafe version is hex **999999**. A complement of this color would be **49.2934, 0.3363, 0.3558**, and the grayscale version is **41.7421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6046, 0.2938, 0.3060**, and **19.0789, 0.2829, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **34.7517, 0.2721, 0.2789**, and if you desaturate by 10%, it is **49.6965, 0.3053, 0.3202**.

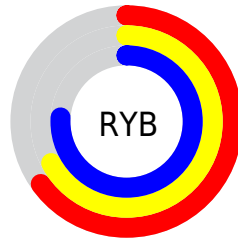
# Distribution



Red (65%)

Green (68%)

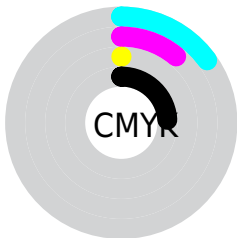
Blue (76%)



Red (65%)

Yellow (67%)

Blue (76%)

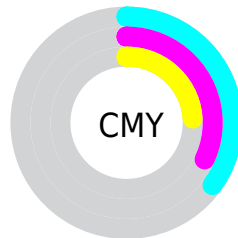


Cyan (15%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (35%)

Magenta (32%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7815, 0.2893, 0.3007 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 41.7815, 0.2893, 0.3007 by changing the saturation by 10% instead.





 41.7815, 0.2893,  
0.3007

 41.7815, 0.2893,  
0.3007


353.5764, 0.3012,  
0.3150

 28.9302, 0.2863,  
0.2971


 77.8688, 0.2937,  
0.3059

 19.0281, 0.2824,  
0.2924


 101.8737, 0.2953,  
0.3079

 11.6906, 0.2771,  
0.2862


130.3652, 0.2967,  
0.3095

 6.5333, 0.2697,  
0.2774

163.7278, 0.2978,  
0.3109

 3.1720, 0.2584,  
0.2642

202.3458, 0.2988,  
0.3122

 1.2222, 0.2394,  
0.2422

246.6036, 0.2997,

 0.0797, 0.1032,

0.3132

0.0729

296.8857, 0.3005,  
0.3142

0.0000, 0.0000,  
0.0000

41.7815, 0.2893,  
0.3007

41.7815, 0.2893,  
0.3007

34.7517, 0.2721,  
0.2789

49.6965, 0.3053,  
0.3202

28.5704, 0.2541,  
0.2549

58.5215, 0.3200,  
0.3375

23.2057, 0.2356,  
0.2290

68.2866, 0.3334,  
0.3526

18.6218, 0.2173,  
0.2019

79.0191, 0.3455,  
0.3658

14.7800, 0.2001,  
0.1745

89.3931, 0.3515,  
0.3782

■ 11.6378, 0.1847,  
0.1479

■ 96.6738, 0.3490,  
0.3890

■ 9.1482, 0.1722,  
0.1236

■ 7.2566, 0.1630,  
0.1028

■ 6.4877, 0.1594,  
0.0937

# Harmonies

## Analogous

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



41.7815, 0.2812, 0.3068



41.7815, 0.2893, 0.3007



41.7815, 0.3038, 0.3020

# Triad

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



41.7815, 0.2893, 0.3007



41.7815, 0.3453, 0.3374



41.7815, 0.3039, 0.3492

# Complementary

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



41.7815, 0.2893, 0.3007



49.2934, 0.3363, 0.3558

# 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.



41.7815, 0.3210, 0.3578



41.7815, 0.2893, 0.3007



41.7815, 0.3452, 0.3504

# Square

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



41.7815, 0.2893, 0.3007



41.7815, 0.3364, 0.3228



41.7815, 0.3362, 0.3581



41.7815, 0.2894, 0.3348



# Rectangle

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



41.7815, 0.2893, 0.3007



41.7815, 0.3152, 0.3067



41.7815, 0.3362, 0.3581



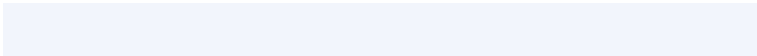
41.7815, 0.3095, 0.3529

# Sweetspot

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



41.7832, 0.2893, 0.3007



91.3849, 0.3066, 0.3218



50.1077, 0.2960, 0.3398



19.7565, 0.3055, 0.3204



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.



41.7832, 0.2893, 0.3007



71.2723, 0.2837, 0.2936



39.4993, 0.2943, 0.2903



10.1903, 0.2984, 0.3118



4.3866, 0.1600, 0.0959



0.3092, 0.1728, 0.1422



# Inverse Universe

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



41.3982, 0.3329, 0.3187



70.5529, 0.3384, 0.3163



51.9418, 0.3295, 0.3662



10.1225, 0.3247, 0.3227



7.7251, 0.5820, 0.2980

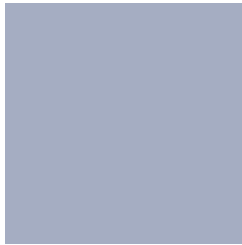


0.3459, 0.5162, 0.2617



# Previews

## White Background



This preview shows how the Yxy color 41.7815, 0.2893, 0.3007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

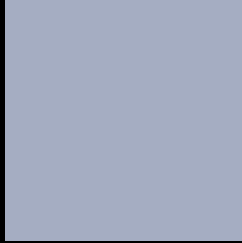
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7815, 0.2893, 0.3007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

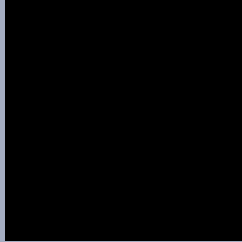
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

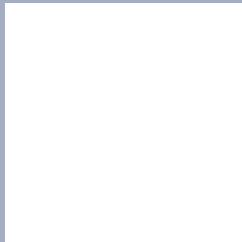
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7815, 0.2893, 0.3007**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7815, 0.2893, 0.3007.



This preview shows how white text looks on a background with the Yxy color 41.7815, 0.2893, 0.3007.

# 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

41.7815, 0.2893, 0.3007

### Protanopia

41.9014, 0.2941, 0.3009

### Deuteranopia

41.5291, 0.3002, 0.2937



## Tritanopia

41.7955, 0.2930, 0.3099

# Trichromacy



## Original Color

41.7815, 0.2893, 0.3007

## Protanomaly

41.6801, 0.2925, 0.3008

## Deuteranomaly

41.6883, 0.2959, 0.2960

## Tritanomaly

41.8823, 0.2915, 0.3072

# Monochromacy



## Original Color

41.7815, 0.2893, 0.3007

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.7694, 0.3036, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7815, 0.2893, 0.3007 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(165, 173, 194)` looks like.

```
.text, #text, p{  
    color:rgb(165, 173, 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(165, 173, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 173, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7815, 0.2893, 0.3007 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(165, 173, 194) }
```

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

```
.border{ border-color:rgb(165, 173, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 173, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 173, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 173, 194);  
box-shadow:4px 4px 4px 4px rgb(165, 173,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7815, 0.2893, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 173, 194) }
```

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

```
.background{ background-color: rgb(165,  
173, 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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