

# Converting Colors

$Yxy(41.7588, 0.2788, 0.2944)$

Have a look what the booklet for  
Yxy(41.7588, 0.2788, 0.2944)  
contains.

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# Color

**Yxy(41.6103, 0.2786, 0.2937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DAEC8
RGB	157, 174, 200
RGB Percent	62%, 68%, 78%
CMY	0.3842, 0.3177, 0.2157
CMYK	0.21, 0.13, 0.00, 0.22
HSL	216°, 28%, 70%
HSV	216°, 21%, 78%
XYZ	39.4710, 41.6103, 60.5949
YIQ	171.8810, -18.4780, 4.4820

# Conversions

## Conversions Part 2

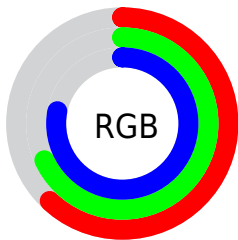
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	157, 169, 200
Decimal	10333896
CIE Lab	70.60, -0.25, -15.20
CIE LCh	71, 15.198, 269.070
Yxy	41.6103, 0.2786, 0.2937
Android (android.graphics.Color)	4288523976 (0xFF9DAEC8)
YUV	171.8810, 13.8627, -13.0506
Hunter-Lab	64.5060, -3.6622, -10.5409

# Details

The Yxy color  $41.6103, 0.2786, 0.2937$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $48.6000, 0.3489, 0.3619$ , and the grayscale version is  $41.1309, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2557, 0.2859, 0.3016$ , and  $18.9976, 0.2687, 0.2840$  is the 20% darker color. If you saturate the color by 10%, you get  $35.2930, 0.2616, 0.2744$ , and if you desaturate by 10%, it is  $48.6819, 0.2950, 0.3112$ .

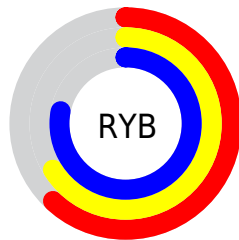
# Distribution



Red (62%)

Green (68%)

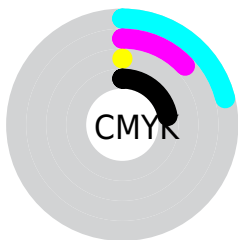
Blue (78%)



Red (62%)

Yellow (66%)

Blue (78%)

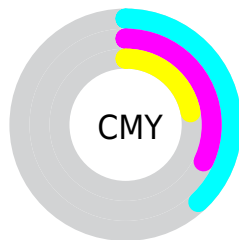


Cyan (21%)

Magenta (13%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (32%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6103, 0.2786, 0.2937 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 41.6103, 0.2786, 0.2937 by changing the saturation by 10% instead.



■ 41.6103, 0.2786,  
0.2937

■ 41.6103, 0.2786,  
0.2937

352.8649, 0.2958,  
0.3116

■ 28.7963, 0.2743,  
0.2892

■ 77.6095, 0.2849,  
0.3002

■ 18.9268, 0.2686,  
0.2834

■ 101.5634, 0.2873,  
0.3027

■ 11.6174, 0.2612,  
0.2756

129.9995, 0.2892,  
0.3047

■ 6.4837, 0.2507,  
0.2647

163.3020, 0.2909,  
0.3065

■ 3.1414, 0.2350,  
0.2484

201.8554, 0.2924,  
0.3080

■ 1.2060, 0.2092,  
0.2216

246.0441, 0.2937,

■ 0.0666, 0.0451,

0.3093

0.0525

296.2525, 0.2948,  
0.3105

0.0000, 0.0000,  
0.0000

41.6103, 0.2786,  
0.2937

41.6103, 0.2786,  
0.2937

35.2930, 0.2616,  
0.2744

48.6819, 0.2950,  
0.3112

29.6979, 0.2443,  
0.2534

56.5283, 0.3105,  
0.3268

24.7977, 0.2273,  
0.2310

65.1755, 0.3250,  
0.3407

20.5614, 0.2111,  
0.2078

74.6467, 0.3385,  
0.3529

16.9551, 0.1965,  
0.1843

84.5755, 0.3494,  
0.3638

■ 13.9411, 0.1840,  
0.1615

■ 91.7266, 0.3470,  
0.3753

■ 11.4764, 0.1741,  
0.1402

■ 96.9502, 0.3454,  
0.3830

■ 9.7534, 0.1677,  
0.1238

# Harmonies

## Analogous

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



41.6103, 0.2710, 0.3038



41.6103, 0.2786, 0.2937



41.6103, 0.2953, 0.2929

# Triad

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



41.6103, 0.2786, 0.2937



41.6103, 0.3530, 0.3344



41.6103, 0.3072, 0.3596

# Complementary

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



41.6103, 0.2786, 0.2937



48.6000, 0.3489, 0.3619

# 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.



41.6103, 0.3293, 0.3679



41.6103, 0.2786, 0.2937



41.6103, 0.3562, 0.3522

# Square

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



41.6103, 0.2786, 0.2937



41.6103, 0.3384, 0.3159



41.6103, 0.3474, 0.3648



41.6103, 0.2871, 0.3422



# Rectangle

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



41.6103, 0.2786, 0.2937



41.6103, 0.3096, 0.2974



41.6103, 0.3474, 0.3648



41.6103, 0.3146, 0.3636

# Sweetspot

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



41.6120, 0.2786, 0.2937



91.4456, 0.3035, 0.3199



51.8921, 0.2923, 0.3520



19.3804, 0.3024, 0.3188



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.



41.6120, 0.2786, 0.2937



66.5343, 0.2703, 0.2845



35.9083, 0.2806, 0.2704



10.9628, 0.2983, 0.3146



6.3652, 0.1684, 0.1264



0.4421, 0.1802, 0.1687



# Inverse Universe

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



39.4617, 0.3391, 0.3075



62.4258, 0.3468, 0.3023



55.4409, 0.3412, 0.3827



10.7051, 0.3229, 0.3199



8.1826, 0.5377, 0.2736

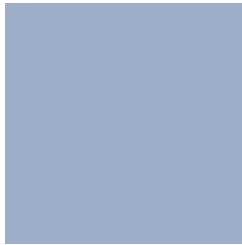


0.4016, 0.4822, 0.2430



# Previews

## White Background



This preview shows how the Yxy color 41.6103, 0.2786, 0.2937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

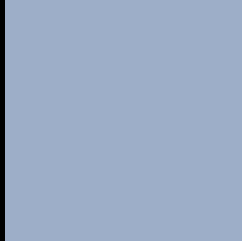
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6103, 0.2786, 0.2937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

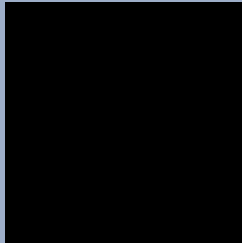
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6103, 0.2786, 0.2937**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6103, 0.2786, 0.2937.



This preview shows how white text looks on a background with the Yxy color 41.6103, 0.2786, 0.2937.

# 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

41.6103, 0.2786, 0.2937

### Protanopia

41.5279, 0.2886, 0.2930

### Deuteranopia

41.3363, 0.2921, 0.2859



## Tritanopia

41.7369, 0.2843, 0.3096

# Trichromacy



## Original Color

41.6103, 0.2786, 0.2937

## Protanomaly

41.5211, 0.2847, 0.2928

## Deuteranomaly

41.2913, 0.2863, 0.2879

## Tritanomaly

41.6229, 0.2822, 0.3029

# Monochromacy



## Original Color

41.6103, 0.2786, 0.2937

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.4800, 0.3002, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6103, 0.2786, 0.2937 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(157, 174, 200)` looks like.

```
.text, #text, p{  
    color:rgb(157, 174, 200)  
}
```

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(157, 174, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 174, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6103, 0.2786, 0.2937 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(157, 174, 200) }
```

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

```
.border{ border-color:rgb(157, 174, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 174, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 174, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 174, 200);  
box-shadow:4px 4px 4px 4px rgb(157, 174,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6103, 0.2786, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 174, 200) }
```

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

```
.background{ background-color: rgb(157,  
174, 200) }
```

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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