

# Converting Colors

$Y_{xy}(41.8710, 0.2860, 0.3120)$

Have a look what the booklet for  
Yxy(41.8710, 0.2860, 0.3120)  
contains.

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# Color

**Yxy(41.7927, 0.2859, 0.3110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CB0BD
RGB	156, 176, 189
RGB Percent	61%, 69%, 74%
CMY	0.3882, 0.3098, 0.2589
CMYK	0.17, 0.07, 0.00, 0.26
HSL	204°, 20%, 68%
HSV	204°, 17%, 74%
XYZ	38.4197, 41.7927, 54.1693
YIQ	171.5020, -16.0930, -0.1970

# Conversions

## Conversions Part 2

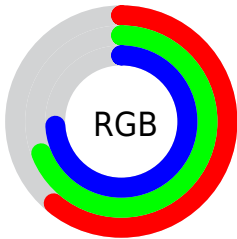
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 168, 189
Decimal	10268861
CIE <sub>Lab</sub>	70.73, -4.13, -8.94
CIE <sub>LCh</sub>	71, 9.853, 245.200
Yxy	41.7927, 0.2859, 0.3110
Android (android.graphics.Color)	4288458941 (0xFF9CB0BD)
YUV	171.5020, 8.6265, -13.5953
Hunter-Lab	64.6473, -7.0506, -4.4272

# Details

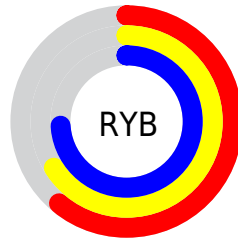
The Yxy color **41.7927, 0.2859, 0.3110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.5838, 0.3429, 0.3463**, and the grayscale version is **40.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1547, 0.2911, 0.3151**, and **19.1359, 0.2775, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **37.2172, 0.2703, 0.2992**, and if you desaturate by 10%, it is **46.8246, 0.3014, 0.3217**.

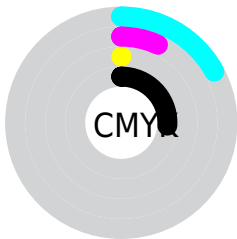
# Distribution



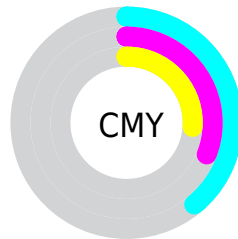
- Red (61%)
- Green (69%)
- Blue (74%)



- Red (61%)
- Yellow (66%)
- Blue (74%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (26%)




- Cyan (39%)
- Magenta (31%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7927, 0.2859, 0.3110 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 41.7927, 0.2859, 0.3110 by changing the saturation by 10% instead.





 41.7927, 0.2859,  
0.3110


 41.7927, 0.2859,  
0.3110

353.6229, 0.2995,  
0.3202

 28.9390, 0.2825,  
0.3086


 77.8858, 0.2909,  
0.3144

 19.0347, 0.2780,  
0.3055


 101.8940, 0.2927,  
0.3157

 11.6953, 0.2721,  
0.3013


130.3891, 0.2943,  
0.3167

 6.5366, 0.2637,  
0.2953

163.7556, 0.2956,  
0.3176

 3.1740, 0.2511,  
0.2860

202.3778, 0.2968,  
0.3184

 1.2232, 0.2299,  
0.2699

246.6402, 0.2978,

 0.0806, 0.0000,

0.3191

0.1015

296.9271, 0.2987,  
0.3197

0.0000, 0.0000,  
0.0000

41.7927, 0.2859,  
0.3110

41.7927, 0.2859,  
0.3110

37.2172, 0.2703,  
0.2992

46.8246, 0.3014,  
0.3217

33.0769, 0.2550,  
0.2864

52.3230, 0.3166,  
0.3314

29.3563, 0.2403,  
0.2727

58.3037, 0.3312,  
0.3400

26.0370, 0.2266,  
0.2582

64.7805, 0.3452,  
0.3476

23.0985, 0.2143,  
0.2432

71.7663, 0.3586,  
0.3543

■ 20.5182, 0.2038,  
0.2280

■ 76.4407, 0.3602,  
0.3614

■ 18.2700, 0.1953,  
0.2129

■ 80.4448, 0.3584,  
0.3687

■ 16.3172, 0.1889,  
0.1982

■ 84.6248, 0.3565,  
0.3759

■ 15.8496, 0.1874,  
0.1945

■ 88.9829, 0.3548,  
0.3829

# Harmonies

## Analogous

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



41.7927, 0.2865, 0.3217



41.7927, 0.2859, 0.3110



41.7927, 0.2923, 0.3054

# Triad

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



41.7927, 0.2859, 0.3110



41.7927, 0.3317, 0.3229



41.7927, 0.3208, 0.3534

# Complementary

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



41.7927, 0.2859, 0.3110



41.5838, 0.3429, 0.3463

# 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.



41.7927, 0.3332, 0.3531



41.7927, 0.2859, 0.3110



41.7927, 0.3397, 0.3353

# Square

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



41.7927, 0.2859, 0.3110



41.7927, 0.3187, 0.3123



41.7927, 0.3402, 0.3464



41.7927, 0.3064, 0.3466



# Rectangle

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



41.7927, 0.2859, 0.3110



41.7927, 0.2998, 0.3050



41.7927, 0.3402, 0.3464



41.7927, 0.3253, 0.3541

# Sweetspot

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



41.7944, 0.2859, 0.3110



86.1412, 0.3050, 0.3241



46.3034, 0.3012, 0.3573



18.3793, 0.3039, 0.3234



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

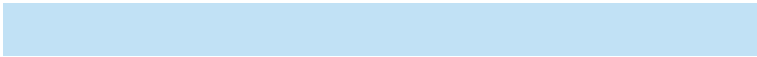


# Same Dimension

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



41.7944, 0.2859, 0.3110



71.5905, 0.2798, 0.3065



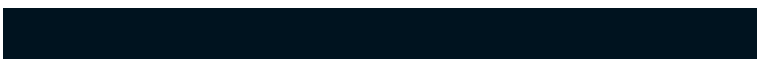
35.8339, 0.2848, 0.2879



10.1622, 0.2984, 0.3198



10.8198, 0.1879, 0.1963



0.5479, 0.1977, 0.2316



# Inverse Universe

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



37.7307, 0.3266, 0.3027



63.1031, 0.3303, 0.2966



47.9667, 0.3394, 0.3670



9.6310, 0.3196, 0.3152



8.1220, 0.4495, 0.2250

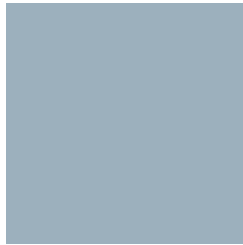


0.3307, 0.4109, 0.2037



# Previews

## White Background



This preview shows how the Yxy color 41.7927, 0.2859, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

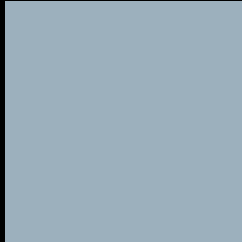
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7927, 0.2859, 0.3110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

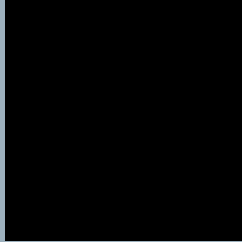
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

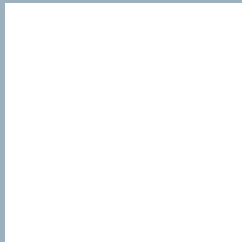
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7927, 0.2859, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7927, 0.2859, 0.3110.



This preview shows how white text looks on a background with the Yxy color 41.7927, 0.2859, 0.3110.

# 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

41.7927, 0.2859, 0.3110

### Protanopia

41.8209, 0.3013, 0.3102

### Deuteranopia

41.5906, 0.3052, 0.2989



## Tritanopia

41.8363, 0.2851, 0.3096

# Trichromacy



## Original Color

41.7927, 0.2859, 0.3110

## Protanomaly

41.5820, 0.2954, 0.3099

## Deuteranomaly

41.6142, 0.2982, 0.3036

## Tritanomaly

41.8363, 0.2851, 0.3096

# Monochromacy



## Original Color

41.7927, 0.2859, 0.3110

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.2085, 0.3025, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7927, 0.2859, 0.3110 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(156, 176, 189)` looks like.

```
.text, #text, p{  
    color:rgb(156, 176, 189)  
}
```

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(156, 176, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 176, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7927, 0.2859, 0.3110 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(156, 176, 189) }
```

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

```
.border{ border-color:rgb(156, 176, 189) }
```

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

Here you see how a box with a 4 pixel rgb(156, 176, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 176, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 176, 189);  
box-shadow:4px 4px 4px 4px rgb(156, 176,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7927, 0.2859, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 176, 189) }
```

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

```
.background{ background-color: rgb(156,  
176, 189) }
```

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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