

# Converting Colors

$Yxy(41.9634, 0.2772, 0.3080)$

Have a look what the booklet for  
Yxy(41.9634, 0.2772, 0.3080)  
contains.

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# Color

**Yxy(41.9869, 0.2770, 0.3080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94B2C1
RGB	148, 178, 193
RGB Percent	58%, 70%, 76%
CMY	0.4196, 0.3020, 0.2431
CMYK	0.23, 0.08, 0.00, 0.24
HSL	200°, 27%, 67%
HSV	200°, 23%, 76%
XYZ	37.7609, 41.9869, 56.5733
YIQ	170.7400, -22.6950, -1.6950

# Conversions

## Conversions Part 2

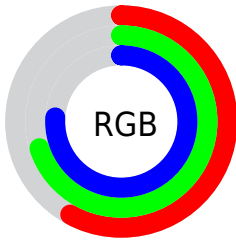
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	148, 166, 193
Decimal	9745089
CIE Lab	70.86, -6.84, -11.02
CIE LCh	71, 12.971, 238.195
Yxy	41.9869, 0.2770, 0.3080
Android (android.graphics.Color)	4287935169 (0xFF94B2C1)
YUV	170.7400, 10.9742, -19.9430
Hunter-Lab	64.7973, -9.3735, -6.4068

# Details

The Yxy color **41.9869, 0.2770, 0.3080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6804, 0.3558, 0.3491**, and the grayscale version is **40.5419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3817, 0.2840, 0.3129**, and **19.0181, 0.2668, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **37.8335, 0.2619, 0.2976**, and if you desaturate by 10%, it is **46.5641, 0.2923, 0.3176**.

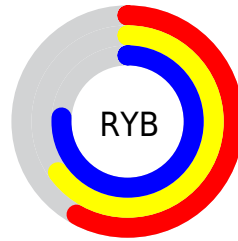
# Distribution



Red (58%)

Green (70%)

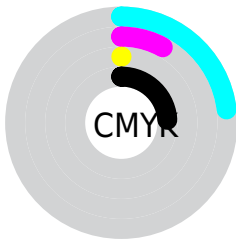
Blue (76%)



Red (58%)

Yellow (65%)

Blue (76%)

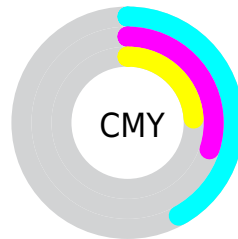


Cyan (23%)

Magenta (8%)

Yellow (0%)

Black (24%)



Cyan (42%)

Magenta (30%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9869, 0.2770, 0.3080 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 41.9869, 0.2770, 0.3080 by changing the saturation by 10% instead.



■ 41.9869, 0.2770,  
0.3080

■ 41.9869, 0.2770,  
0.3080

■ 354.4286, 0.2950,  
0.3188

■ 29.0910, 0.2725,  
0.3052

■ 78.1798, 0.2836,  
0.3120

■ 19.1497, 0.2667,  
0.3015

■ 102.2456, 0.2860,  
0.3135

■ 11.7785, 0.2589,  
0.2966

■ 130.8036, 0.2881,  
0.3147

■ 6.5930, 0.2481,  
0.2894

■ 164.2380, 0.2899,  
0.3158

■ 3.2089, 0.2319,  
0.2784

■ 202.9333, 0.2914,  
0.3167

■ 1.2418, 0.2053,  
0.2592

■ 247.2739, 0.2927,

■ 0.0954, 0.0000,

0.3175

0.0984

297.6442, 0.2939,  
0.3182

0.0000, 0.0000,  
0.0000

41.9869, 0.2770,  
0.3080

41.9869, 0.2770,  
0.3080

37.8335, 0.2619,  
0.2976

46.5641, 0.2923,  
0.3176

34.0824, 0.2475,  
0.2863

51.5754, 0.3077,  
0.3263

30.7173, 0.2341,  
0.2745

57.0372, 0.3228,  
0.3341

27.7189, 0.2220,  
0.2621

62.9631, 0.3374,  
0.3411

25.0656, 0.2116,  
0.2494

69.3662, 0.3515,  
0.3473

■ 22.7326, 0.2031,  
0.2366

■ 74.5482, 0.3582,  
0.3533

■ 20.6908, 0.1967,  
0.2240

■ 77.9253, 0.3567,  
0.3597

■ 19.4523, 0.1933,  
0.2157

■ 81.4334, 0.3552,  
0.3660

■ 85.0737, 0.3538,  
0.3722

# Harmonies

## Analogous

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



41.9869, 0.2799, 0.3232



41.9869, 0.2770, 0.3080



41.9869, 0.2833, 0.2990

# Triad

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



41.9869, 0.2770, 0.3080



41.9869, 0.3341, 0.3174



41.9869, 0.3274, 0.3620

# Complementary

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



41.9869, 0.2770, 0.3080



39.6804, 0.3558, 0.3491

# 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.



41.9869, 0.3426, 0.3593



41.9869, 0.2770, 0.3080



41.9869, 0.3467, 0.3332

# Square

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



41.9869, 0.2770, 0.3080



41.9869, 0.3160, 0.3047



41.9869, 0.3498, 0.3485



41.9869, 0.3086, 0.3552



# Rectangle

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



41.9869, 0.2770, 0.3080



41.9869, 0.2920, 0.2974



41.9869, 0.3498, 0.3485



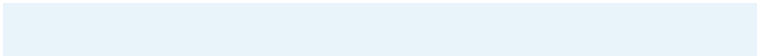
41.9869, 0.3331, 0.3621

# Sweetspot

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



41.9886, 0.2770, 0.3080



88.8599, 0.3019, 0.3231



47.0875, 0.2990, 0.3715



18.9459, 0.3009, 0.3226



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



41.9886, 0.2770, 0.3080



71.2867, 0.2692, 0.3028



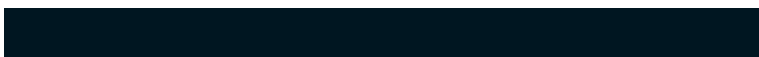
33.7609, 0.2744, 0.2753



10.8439, 0.2984, 0.3211



13.0881, 0.1937, 0.2173



0.6880, 0.2014, 0.2452



# Inverse Universe

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



35.7367, 0.3296, 0.2900



58.4406, 0.3343, 0.2811



48.3906, 0.3495, 0.3775



10.1885, 0.3187, 0.3138



8.6035, 0.4261, 0.2121

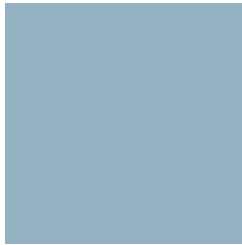


0.3841, 0.3971, 0.1961



# Previews

## White Background



This preview shows how the Yxy color 41.9869, 0.2770, 0.3080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

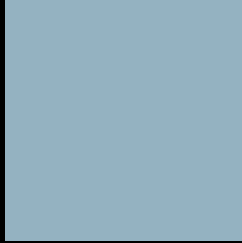
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9869, 0.2770, 0.3080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

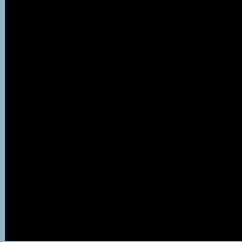
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

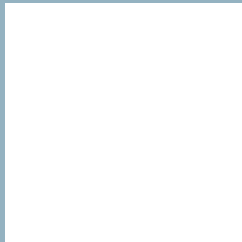
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.9869, 0.2770, 0.3080**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9869, 0.2770, 0.3080.



This preview shows how white text looks on a background with the Yxy color 41.9869, 0.2770, 0.3080.

# 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

41.9869, 0.2770, 0.3080

### Protanopia

41.8371, 0.2981, 0.3062

### Deuteranopia

42.0194, 0.3011, 0.2952



## Tritanopia

41.9425, 0.2777, 0.3094

# Trichromacy



## Original Color

41.9869, 0.2770, 0.3080

## Protanomaly

41.7763, 0.2907, 0.3072

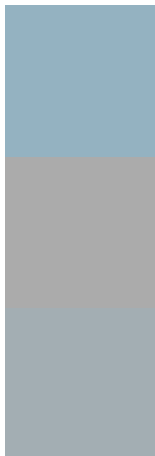
## Deuteranomaly

41.7249, 0.2917, 0.2995

## Tritanomaly

41.9425, 0.2777, 0.3094

# Monochromacy



## Original Color

41.9869, 0.2770, 0.3080

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.3133, 0.2991, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9869, 0.2770, 0.3080 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(148, 178, 193)` looks like.

```
.text, #text, p{  
    color:rgb(148, 178, 193)  
}
```

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(148, 178, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 178, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9869, 0.2770, 0.3080 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(148, 178, 193) }
```

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

```
.border{ border-color:rgb(148, 178, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 178, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 178, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 178, 193);  
box-shadow:4px 4px 4px 4px rgb(148, 178,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9869, 0.2770, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 178, 193) }
```

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

```
.background{ background-color: rgb(148,  
178, 193) }
```

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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