

# Converting Colors

$Yxy(43.1126, 0.2721, 0.2855)$

Have a look what the booklet for  
Yxy(43.1126, 0.2721, 0.2855)  
contains.

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# Color

**Yxy(43.2655, 0.2720, 0.2853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DB1D2
RGB	157, 177, 210
RGB Percent	62%, 69%, 82%
CMY	0.3845, 0.3058, 0.1766
CMYK	0.25, 0.16, 0.00, 0.18
HSL	217°, 37%, 72%
HSV	217°, 25%, 82%
XYZ	41.2486, 43.2655, 67.1351
YIQ	174.7820, -22.5130, 6.0230

# Conversions

## Conversions Part 2

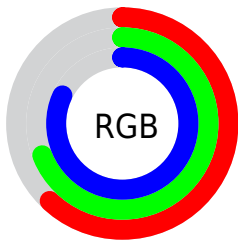
Format	Color
<a href="#">RYB</a>	<a href="#">157, 172, 210</a>
Decimal	<a href="#">10334674</a>
CIELab	<a href="#">71.73, 0.39, -18.96</a>
CIELCh	<a href="#">72, 18.963, 271.166</a>
Yxy	<a href="#">43.2655, 0.2720, 0.2853</a>
Android (android.graphics.Color)	<a href="#">4288524754 (0xFF9DB1D2)</a>
YUV	<a href="#">174.7820, 17.3625, -15.5948</a>
Hunter-Lab	<a href="#">65.7765, -3.1712, -14.4710</a>

# Details

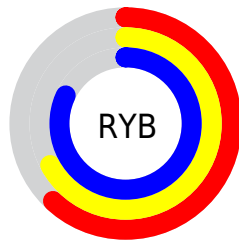
The Yxy color  $43.2655, 0.2720, 0.2853$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $52.9138, 0.3561, 0.3691$ , and the grayscale version is  $42.6642, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.4949, 0.2861, 0.3059$ , and  $20.0370, 0.2614, 0.2745$  is the 20% darker color. If you saturate the color by 10%, you get  $36.4232, 0.2547, 0.2647$ , and if you desaturate by 10%, it is  $50.9671, 0.2888, 0.3041$ .

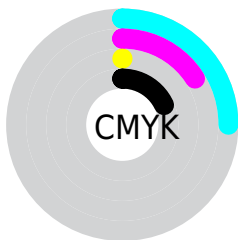
# Distribution



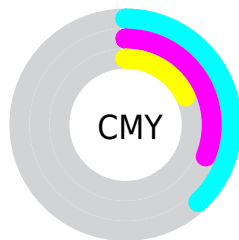
- Red (62%)
- Green (69%)
- Blue (82%)



- Red (62%)
- Yellow (67%)
- Blue (82%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)




- Cyan (38%)
- Magenta (31%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2655, 0.2720, 0.2853 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 43.2655, 0.2720, 0.2853 by changing the saturation by 10% instead.





 43.2655, 0.2720,  
0.2853


 43.2655, 0.2720,  
0.2853


359.7025, 0.2924,  
0.3072

 30.0935, 0.2669,  
0.2799


 80.1114, 0.2794,  
0.2932

 19.9096, 0.2604,  
0.2729


 104.5540, 0.2822,  
0.2962

 12.3293, 0.2518,  
0.2637


133.5223, 0.2845,  
0.2987

 6.9684, 0.2399,  
0.2510

167.4006, 0.2866,  
0.3009

 3.4423, 0.2225,  
0.2324

206.5734, 0.2883,  
0.3028

 1.3668, 0.1949,  
0.2030

251.4251, 0.2898,

 0.1921, 0.0942,

0.3044

0.0942

302.3400, 0.2912,  
0.3059

0.0000, 0.0000,  
0.0000

43.2655, 0.2720,  
0.2853

43.2655, 0.2720,  
0.2853

36.4232, 0.2547,  
0.2647

50.9671, 0.2888,  
0.3041

30.4027, 0.2372,  
0.2424

59.5531, 0.3047,  
0.3209

25.1710, 0.2202,  
0.2189

69.0543, 0.3197,  
0.3359

20.6909, 0.2042,  
0.1949

79.4980, 0.3335,  
0.3490

16.9212, 0.1901,  
0.1710

89.5721, 0.3415,  
0.3611

■ 13.8161, 0.1784,  
0.1482

■ 97.4321, 0.3394,  
0.3731

■ 11.3219, 0.1697,  
0.1276

■ 10.3163, 0.1663,  
0.1186

# Harmonies

## Analogous

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



43.2655, 0.2619, 0.2966



43.2655, 0.2720, 0.2853



43.2655, 0.2929, 0.2853

# Triad

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



43.2655, 0.2720, 0.2853



43.2655, 0.3632, 0.3369



43.2655, 0.3039, 0.3658

# Complementary

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



43.2655, 0.2720, 0.2853



52.9138, 0.3561, 0.3691

# 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.



43.2655, 0.3311, 0.3769



43.2655, 0.2720, 0.2853



43.2655, 0.3661, 0.3585

# Square

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



43.2655, 0.2720, 0.2853



43.2655, 0.3460, 0.3143



43.2655, 0.3541, 0.3737



43.2655, 0.2798, 0.3434



# Rectangle

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



43.2655, 0.2720, 0.2853



43.2655, 0.3106, 0.2913



43.2655, 0.3541, 0.3737



43.2655, 0.3129, 0.3710

# Sweetspot

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



43.2672, 0.2720, 0.2853



88.5112, 0.3003, 0.3163



56.9472, 0.2883, 0.3555



18.5048, 0.2979, 0.3138



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.



43.2672, 0.2720, 0.2853



61.5948, 0.2632, 0.2751



36.5465, 0.2746, 0.2586



12.1407, 0.2982, 0.3142



6.4736, 0.1670, 0.1213



0.5131, 0.1774, 0.1586



# Inverse Universe

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



40.9679, 0.3459, 0.3044



57.8278, 0.3548, 0.2992



61.3228, 0.3456, 0.3927



11.8812, 0.3232, 0.3202



8.7248, 0.5448, 0.2775

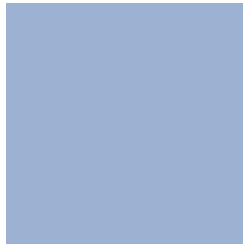


0.5031, 0.4949, 0.2500



# Previews

## White Background



This preview shows how the Yxy color 43.2655, 0.2720, 0.2853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

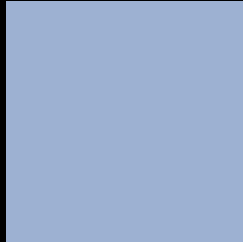
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2655, 0.2720, 0.2853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

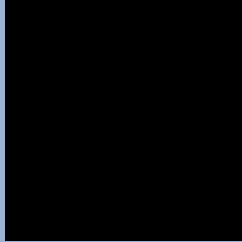
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

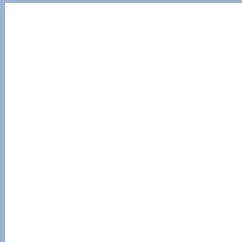
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2655, 0.2720, 0.2853**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2655, 0.2720, 0.2853.



This preview shows how white text looks on a background with the Yxy color 43.2655, 0.2720, 0.2853.

# 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

43.2655, 0.2720, 0.2853

### Protanopia

43.2612, 0.2823, 0.2848

### Deuteranopia

43.3222, 0.2848, 0.2792



## Tritanopia

43.4076, 0.2811, 0.3098

# Trichromacy



## Original Color

43.2655, 0.2720, 0.2853

## Protanomaly

43.2627, 0.2785, 0.2845

## Deuteranomaly

43.3001, 0.2794, 0.2811

## Tritanomaly

43.3789, 0.2775, 0.3005

# Monochromacy



## Original Color

43.2655, 0.2720, 0.2853

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.0063, 0.2964, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2655, 0.2720, 0.2853 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, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(157, 177, 210)  
}
```

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, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 177, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2655, 0.2720, 0.2853 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, 177, 210) }
```

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

```
.border{ border-color:rgb(157, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(157, 177,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2655, 0.2720, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 177, 210) }
```

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

```
.background{ background-color: rgb(157,  
177, 210) }
```

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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