

# Converting Colors

$Y_{xy}(41.7427, 0.2827, 0.3249)$

Have a look what the booklet for  
Yxy(41.7427, 0.2827, 0.3249)  
contains.

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# Color

**Yxy(41.6373, 0.2826, 0.3246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91B3B6
RGB	145, 179, 182
RGB Percent	57%, 70%, 71%
CMY	0.4311, 0.2981, 0.2862
CMYK	0.20, 0.02, 0.00, 0.29
HSL	185°, 20%, 64%
HSV	185°, 20%, 71%
XYZ	36.2498, 41.6373, 50.3855
YIQ	169.1760, -21.2270, -6.2750

# Conversions

## Conversions Part 2

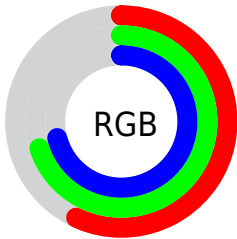
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 163, 182
Decimal	9548726
CIE Lab	70.62, -10.76, -5.35
CIE LCh	71, 12.021, 206.431
Yxy	41.6373, 0.2826, 0.3246
Android (android.graphics.Color)	4287738806 (0xFF91B3B6)
YUV	169.1760, 6.3222, -21.2024
Hunter-Lab	64.5270, -12.6448, -1.1274

# Details

The Yxy color **41.6373, 0.2826, 0.3246** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1999, 0.3516, 0.3334**, and the grayscale version is **39.7506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7318, 0.2878, 0.3256**, and **18.8864, 0.2742, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **39.5218, 0.2690, 0.3222**, and if you desaturate by 10%, it is **44.0276, 0.2971, 0.3269**.

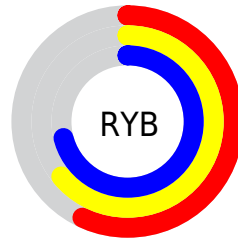
# Distribution



Red (57%)

Green (70%)

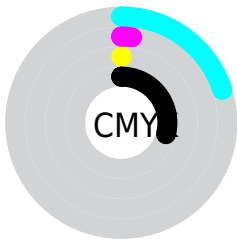
Blue (71%)



Red (57%)

Yellow (64%)

Blue (71%)

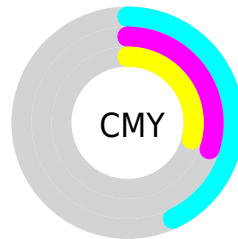


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (30%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6373, 0.2826, 0.3246 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 41.6373, 0.2826, 0.3246 by changing the saturation by 10% instead.



 41.6373, 0.2826,  
0.3246


 41.6373, 0.2826,  
0.3246


352.9772, 0.2978,  
0.3270

 28.8174, 0.2788,  
0.3239


 77.6504, 0.2882,  
0.3255

 18.9427, 0.2738,  
0.3230

 101.6124, 0.2902,  
0.3259

 11.6289, 0.2671,  
0.3217


130.0572, 0.2920,  
0.3261

 6.4915, 0.2577,  
0.3198

163.3692, 0.2935,  
0.3264

 3.1462, 0.2434,  
0.3166

201.9328, 0.2948,  
0.3266

 1.2085, 0.2194,  
0.3103

246.1324, 0.2959,

 0.0687, 0.0000,

0.3267

0.1327

296.3524, 0.2969,  
0.3269

0.0000, 0.0000,  
0.0000

41.6373, 0.2826,  
0.3246

41.6373, 0.2826,  
0.3246

39.5218, 0.2690,  
0.3222

44.0276, 0.2971,  
0.3269

37.6633, 0.2566,  
0.3196

46.6993, 0.3123,  
0.3289

36.0500, 0.2457,  
0.3170

49.6652, 0.3278,  
0.3308

34.6669, 0.2364,  
0.3142

52.9357, 0.3433,  
0.3325

33.4974, 0.2290,  
0.3114

56.5208, 0.3588,  
0.3340

■ 32.5227, 0.2235,  
0.3086

■ 60.4300, 0.3740,  
0.3354

■ 31.7205, 0.2198,  
0.3059

■ 61.2062, 0.3741,  
0.3369

■ 31.0626, 0.2176,  
0.3033

■ 61.8514, 0.3737,  
0.3385

■ 62.5031, 0.3733,  
0.3400

# Harmonies

## Analogous

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



41.6373, 0.2937, 0.3408



41.6373, 0.2826, 0.3246



41.6373, 0.2794, 0.3102

# Triad

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



41.6373, 0.2826, 0.3246



41.6373, 0.3147, 0.3058



41.6373, 0.3411, 0.3567

# Complementary

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



41.6373, 0.2826, 0.3246



33.1999, 0.3516, 0.3334

# 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.



41.6373, 0.3472, 0.3465



41.6373, 0.2826, 0.3246



41.6373, 0.3317, 0.3174

# Square

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



41.6373, 0.2826, 0.3246



41.6373, 0.2976, 0.3000



41.6373, 0.3438, 0.3321



41.6373, 0.3274, 0.3597



# Rectangle

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



41.6373, 0.2826, 0.3246



41.6373, 0.2821, 0.3036



41.6373, 0.3438, 0.3321



41.6373, 0.3441, 0.3540

# Sweetspot

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



41.6390, 0.2826, 0.3246



81.7820, 0.3034, 0.3278



41.6082, 0.3083, 0.3803



17.9947, 0.3024, 0.3276



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



41.6390, 0.2826, 0.3246



73.8483, 0.2769, 0.3236



34.9198, 0.2809, 0.2983



10.0816, 0.2985, 0.3271



21.9805, 0.2177, 0.3036



0.8122, 0.2196, 0.3106



# Inverse Universe

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



33.4719, 0.3179, 0.2833



56.6219, 0.3191, 0.2738



39.2651, 0.3468, 0.3579



9.1497, 0.3150, 0.3083



9.0013, 0.3423, 0.1659



0.3211, 0.3362, 0.1626



# Previews

## White Background



This preview shows how the Yxy color 41.6373, 0.2826, 0.3246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

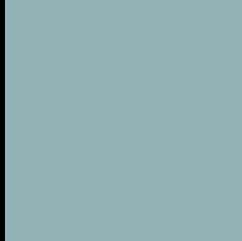
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.6373, 0.2826, 0.3246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

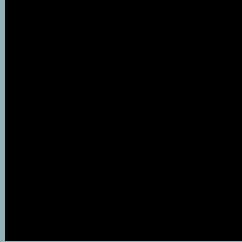
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

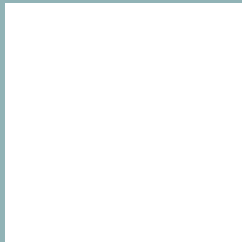
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.6373, 0.2826, 0.3246**

## Background



This preview shows how black text looks on a background with the Yxy color 41.6373, 0.2826, 0.3246.



This preview shows how white text looks on a background with the Yxy color 41.6373, 0.2826, 0.3246.

# 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

41.6373, 0.2826, 0.3246

### Protanopia

41.2988, 0.3104, 0.3209

### Deuteranopia

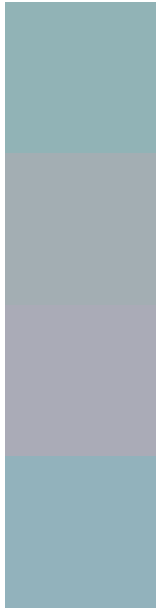
41.2885, 0.3138, 0.3067



## Tritanopia

41.4531, 0.2768, 0.3079

# Trichromacy



## Original Color

41.6373, 0.2826, 0.3246

## Protanomaly

41.3133, 0.2991, 0.3220

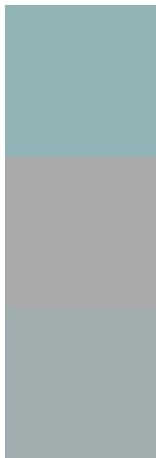
## Deuteranomaly

41.0908, 0.3020, 0.3127

## Tritanomaly

41.5826, 0.2790, 0.3148

# Monochromacy



## Original Color

41.6373, 0.2826, 0.3246

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.4167, 0.3005, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6373, 0.2826, 0.3246 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(145, 179, 182)` looks like.

```
.text, #text, p{  
    color:rgb(145, 179, 182)  
}
```

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(145, 179, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 179, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6373, 0.2826, 0.3246 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(145, 179, 182) }
```

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

```
.border{ border-color:rgb(145, 179, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 179, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 179, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 179, 182);  
box-shadow:4px 4px 4px 4px rgb(145, 179,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6373, 0.2826, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 179, 182) }
```

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

```
.background{ background-color: rgb(145,  
179, 182) }
```

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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