

# Converting Colors

$Y_{xy}(41.4724, 0.2542, 0.3386)$

Have a look what the booklet for  
Yxy(41.4724, 0.2542, 0.3386)  
contains.

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# Color

**Yxy(41.4735, 0.2539, 0.3380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62BBB5
RGB	98, 187, 181
RGB Percent	38%, 73%, 71%
CMY	0.6153, 0.2667, 0.2902
CMYK	0.48, 0.00, 0.03, 0.27
HSL	176°, 40%, 56%
HSV	176°, 48%, 73%
XYZ	31.1542, 41.4735, 50.0750
YIQ	159.7050, -51.1180, -20.7340

# Conversions

## Conversions Part 2

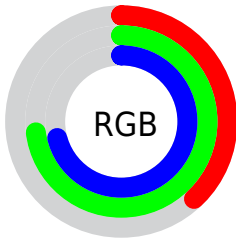
Format	Color
<b>RYB</b>	98, 144, 187
Decimal	6470581
CIELab	70.51, -28.13, -5.23
CIELCh	71, 28.611, 190.529
Yxy	41.4735, 0.2539, 0.3380
Android (android.graphics.Color)	4284660661 (0xFF62BBB5)
YUV	159.7050, 10.4984, -54.1153
Hunter-Lab	64.3999, -26.3484, -1.0217

# Details

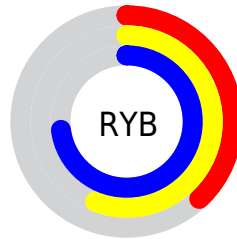
The Yxy color **41.4735, 0.2539, 0.3380** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.3177, 0.4325, 0.3210**, and the grayscale version is **34.9898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0856, 0.2643, 0.3358**, and **18.7456, 0.2371, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **40.5009, 0.2456, 0.3402**, and if you desaturate by 10%, it is **42.6928, 0.2639, 0.3359**.

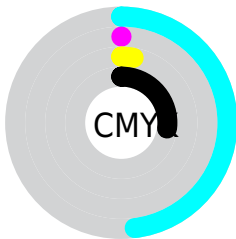
# Distribution



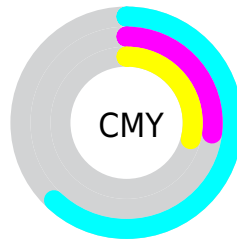
- Red (38%)
- Green (73%)
- Blue (71%)



- Red (38%)
- Yellow (56%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)




- Cyan (62%)
- Magenta (27%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4735, 0.2539, 0.3380 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 41.4735, 0.2539, 0.3380 by changing the saturation by 10% instead.





 41.4735, 0.2539,  
0.3380


 41.4735, 0.2539,  
0.3380


352.2957, 0.2835,  
0.3339


 28.6893, 0.2465,  
0.3389


 77.4022, 0.2647,  
0.3366


 18.8459, 0.2370,  
0.3399


 101.3154, 0.2687,  
0.3361

 11.5590, 0.2244,  
0.3411


 129.7070, 0.2721,  
0.3356

 6.4441, 0.2068,  
0.3425

 162.9615, 0.2750,  
0.3352

 3.1170, 0.1809,  
0.3437

201.4632, 0.2776,  
0.3348

 1.1931, 0.1228,  
0.3499

245.5966, 0.2798,

 0.0561, 0.0000,

0.3345

0.1162

295.7459, 0.2817,  
0.3342

0.0000, 0.0000,  
0.0000

41.4735, 0.2539,  
0.3380

41.4735, 0.2539,  
0.3380

40.5009, 0.2456,  
0.3402

42.6928, 0.2639,  
0.3359

39.7531, 0.2391,  
0.3424

44.1695, 0.2754,  
0.3339

39.2122, 0.2345,  
0.3447


45.9195, 0.2882,  
0.3320

38.8555, 0.2318,  
0.3469


47.9559, 0.3019,  
0.3302


38.6498, 0.2307,  
0.3492


50.2910, 0.3163,  
0.3286

 38.6080, 0.2305,  
0.3497

 52.9365, 0.3311,  
0.3272

 55.9033, 0.3460,  
0.3259

 59.2019, 0.3609,  
0.3248

 60.6187, 0.3660,  
0.3236

# Harmonies

## Analogous

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



41.4735, 0.2861, 0.3771



41.4735, 0.2539, 0.3380



41.4735, 0.2374, 0.2992

# Triad

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



41.4735, 0.2539, 0.3380



41.4735, 0.2943, 0.2675



41.4735, 0.3908, 0.3811

# Complementary

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



41.4735, 0.2539, 0.3380



20.3177, 0.4325, 0.3210

# 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.



41.4735, 0.3944, 0.3500



41.4735, 0.2539, 0.3380



41.4735, 0.3365, 0.2871

# Square

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



41.4735, 0.2539, 0.3380



41.4735, 0.2595, 0.2618



41.4735, 0.3741, 0.3164



41.4735, 0.3655, 0.4012



# Rectangle

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



41.4735, 0.2539, 0.3380



41.4735, 0.2367, 0.2795



41.4735, 0.3741, 0.3164



41.4735, 0.3946, 0.3715

# Sweetspot

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



41.4751, 0.2539, 0.3380



83.4007, 0.2927, 0.3314



39.4546, 0.3110, 0.4745



18.1989, 0.2897, 0.3318



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.



41.4751, 0.2539, 0.3380



72.4856, 0.2453, 0.3403



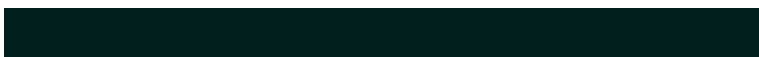
27.9862, 0.2396, 0.2691



10.7981, 0.2994, 0.3305



26.6080, 0.2304, 0.3494



1.0456, 0.2289, 0.3441



# Inverse Universe

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



20.3177, 0.4325, 0.3210



30.0591, 0.4756, 0.3199



28.8127, 0.4147, 0.3807



9.5465, 0.3278, 0.3275



7.3026, 0.6316, 0.3253

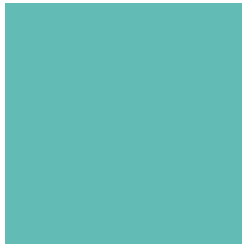


0.2897, 0.6007, 0.3083



# Previews

## White Background



This preview shows how the Yxy color 41.4735, 0.2539, 0.3380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

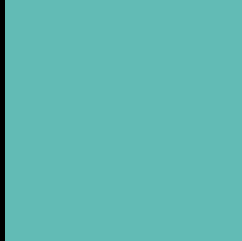
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4735, 0.2539, 0.3380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

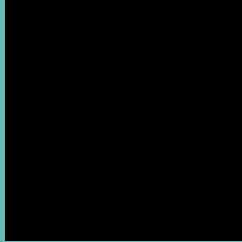
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

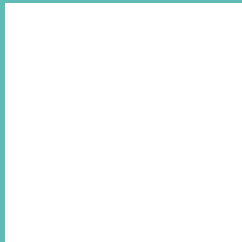
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.4735, 0.2539, 0.3380**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4735, 0.2539, 0.3380.

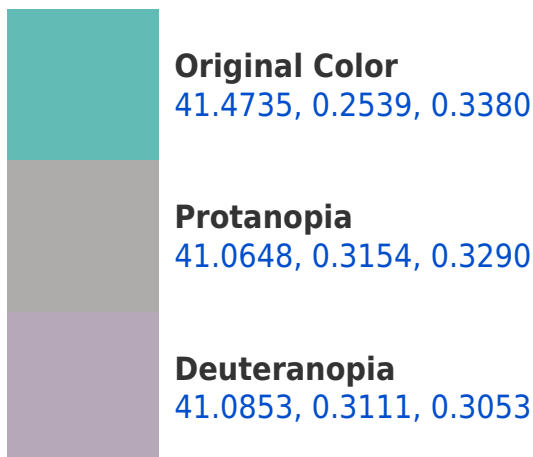


This preview shows how white text looks on a background with the Yxy color 41.4735, 0.2539, 0.3380.

# 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





## Tritanopia

41.3476, 0.2460, 0.3068

# Trichromacy



## Original Color

41.4735, 0.2539, 0.3380

## Protanomaly

40.6504, 0.2883, 0.3318

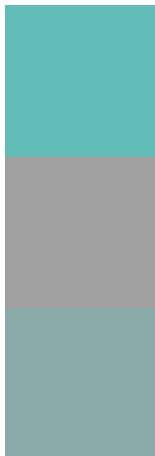
## Deuteranomaly

40.3121, 0.2854, 0.3148

## Tritanomaly

41.3285, 0.2491, 0.3184

# Monochromacy



## Original Color

41.4735, 0.2539, 0.3380

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

36.8950, 0.2857, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4735, 0.2539, 0.3380 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(98, 187, 181)` looks like.

```
.text, #text, p{  
    color:rgb(98, 187, 181)  
}
```

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(98, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 187, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4735, 0.2539, 0.3380 is called "border". The border property can be set on classes, ids or directly on the HTML element.

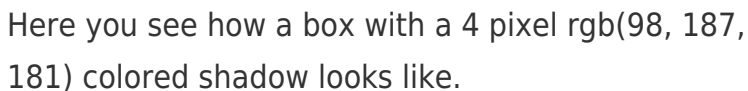
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 187, 181) }
```

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

```
.border{ border-color:rgb(98, 187, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 187, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(98, 187,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4735, 0.2539, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 187, 181) }
```

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

```
.background{ background-color: rgb(98, 187,  
181) }
```

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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