

# Converting Colors

$Y_{xy}(45.5479, 0.2641, 0.3981)$

Have a look what the booklet for  
Yxy(45.5479, 0.2641, 0.3981)  
contains.

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# Color

**Yxy(45.5479, 0.2641, 0.3981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53C89C
RGB	83, 200, 156
RGB Percent	33%, 78%, 61%
CMY	0.6748, 0.2156, 0.3883
CMYK	0.59, 0.00, 0.22, 0.22
HSL	157°, 52%, 55%
HSV	157°, 59%, 78%
XYZ	30.2165, 45.5479, 38.6488
YIQ	160.0010, -55.6080, -38.4880

# Conversions

## Conversions Part 2

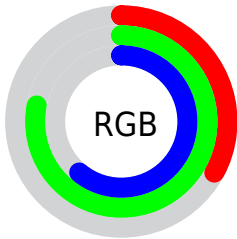
Format	Color
<b>RYB</b>	83, 155, 200
Decimal	5490844
CIELab	73.25, -43.45, 12.27
CIELCh	73, 45.154, 164.228
Yxy	45.5479, 0.2641, 0.3981
Android (android.graphics.Color)	4283680924 (0xFF53C89C)
YUV	160.0010, -1.9725, -67.5299
Hunter-Lab	67.4892, -38.1873, 13.2890

# Details

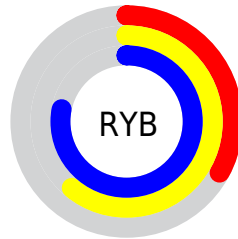
The Yxy color **45.5479, 0.2641, 0.3981** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.9862, 0.4209, 0.2737**, and the grayscale version is **35.1741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9739, 0.2729, 0.3813**, and **21.2707, 0.2498, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **44.5215, 0.2602, 0.4125**, and if you desaturate by 10%, it is **46.8559, 0.2698, 0.3842**.

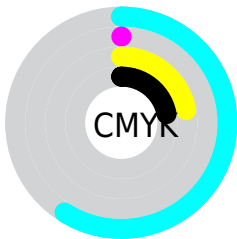
# Distribution



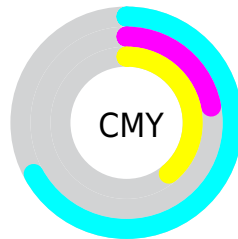
- Red (33%)
- Green (78%)
- Blue (61%)



- Red (33%)
- Yellow (61%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (67%)
- Magenta (22%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5479, 0.2641, 0.3981 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 45.5479, 0.2641, 0.3981 by changing the saturation by 10% instead.





 45.5479, 0.2641,  
0.3981


 45.5479, 0.2641,  
0.3981


368.9881, 0.2891,  
0.3619

 31.8892, 0.2576,  
0.4077


 83.5420, 0.2734,  
0.3845


 21.2769, 0.2492,  
0.4203


 108.6462, 0.2768,  
0.3796

 13.3265, 0.2377,  
0.4377


 138.3343, 0.2797,  
0.3754

 7.6538, 0.2214,  
0.4630

 172.9908, 0.2821,  
0.3719

 3.8742, 0.1963,  
0.5031

213.0000, 0.2843,  
0.3689

 1.6035, 0.1246,  
0.5991

258.7464, 0.2861,

 0.3599, 0.0000,

0.3662

1.0000

310.6142, 0.2877,  
0.3639

■ 0.0000, 0.0000,  
0.0000

■ 45.5479, 0.2641,  
0.3981

■ 45.5479, 0.2641,  
0.3981

■ 44.5215, 0.2602,  
0.4125

■ 46.8559, 0.2698,  
0.3842

■ 43.7478, 0.2583,  
0.4271

■ 48.4610, 0.2769,  
0.3710

■ 43.2010, 0.2583,  
0.4416

■ 50.3837, 0.2852,  
0.3587

■ 42.8373, 0.2602,  
0.4558

■ 52.6411, 0.2944,  
0.3473

■ 42.7903, 0.2605,  
0.4579

■ 55.2491, 0.3041,  
0.3370

■ 58.2228, 0.3142,  
0.3277

■ 61.5759, 0.3244,  
0.3194

■ 65.3219, 0.3345,  
0.3121

■ 67.9378, 0.3382,  
0.3051

# Harmonies

## Analogous

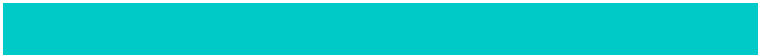
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5479, 0.3238, 0.4402



45.5479, 0.2641, 0.3981



45.5479, 0.2203, 0.3330

# Triad

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



45.5479, 0.2641, 0.3981



45.5479, 0.2384, 0.2303



45.5479, 0.4390, 0.3625

# Complementary

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



45.5479, 0.2641, 0.3981



19.9862, 0.4209, 0.2737

# 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.



45.5479, 0.4126, 0.3142



45.5479, 0.2641, 0.3981



45.5479, 0.2912, 0.2419

# Square

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



45.5479, 0.2641, 0.3981



45.5479, 0.2074, 0.2405



45.5479, 0.3560, 0.2717



45.5479, 0.4268, 0.4087



# Rectangle

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



45.5479, 0.2641, 0.3981



45.5479, 0.2045, 0.2923



45.5479, 0.3560, 0.2717



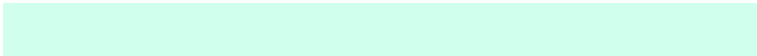
45.5479, 0.4344, 0.3462

# Sweetspot

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



45.5497, 0.2641, 0.3981



91.2480, 0.2947, 0.3470



46.5116, 0.3339, 0.4996



19.2696, 0.2919, 0.3503



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.



45.5497, 0.2641, 0.3981



76.7035, 0.2595, 0.4161



41.2722, 0.2362, 0.3084



11.9973, 0.3033, 0.3378



27.2218, 0.2600, 0.4559



1.3027, 0.2517, 0.4262



# Inverse Universe

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



19.9862, 0.4209, 0.2737



28.4995, 0.4587, 0.2676



21.3766, 0.4798, 0.3463



10.7018, 0.3232, 0.3203



8.1484, 0.5452, 0.2777

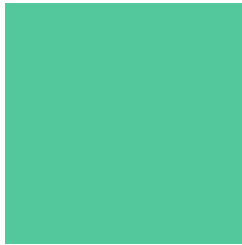


0.3998, 0.4883, 0.2464



# Previews

## White Background



This preview shows how the Yxy color 45.5479, 0.2641, 0.3981 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 45.5479, 0.2641, 0.3981 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 45.5479, 0.2641, 0.3981**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5479, 0.2641, 0.3981.

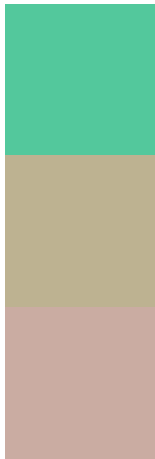


This preview shows how white text looks on a background with the Yxy color 45.5479, 0.2641, 0.3981.

# 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**

45.5479, 0.2641, 0.3981

**Protanopia**

44.7039, 0.3504, 0.3728

**Deuteranopia**

44.6702, 0.3491, 0.3418



## Tritanopia

45.5101, 0.2418, 0.3061

# Trichromacy



## Original Color

45.5479, 0.2641, 0.3981



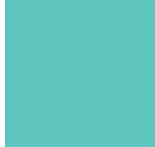
## Protanomaly

43.7718, 0.3110, 0.3828



## Deuteranomaly

43.3649, 0.3104, 0.3602



## Tritanomaly

45.5772, 0.2493, 0.3377

# Monochromacy



## Original Color

45.5479, 0.2641, 0.3981



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

38.0687, 0.2888, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5479, 0.2641, 0.3981 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(83, 200, 156)` looks like.

```
.text, #text, p{  
    color:rgb(83, 200, 156)  
}
```

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(83, 200, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 200, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5479, 0.2641, 0.3981 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(83, 200, 156) }
```

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

```
.border{ border-color:rgb(83, 200, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 200, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 200, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 200, 156);  
box-shadow:4px 4px 4px 4px rgb(83, 200,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5479, 0.2641, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 200, 156) }
```

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

```
.background{ background-color: rgb(83, 200,  
156) }
```

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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