

# Converting Colors

$Y_{xy}(44.3490, 0.2404, 0.3532)$

Have a look what the booklet for  
Yxy(44.3490, 0.2404, 0.3532)  
contains.

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# Color

**Yxy(44.2094, 0.2402, 0.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AC5B6
RGB	58, 197, 182
RGB Percent	23%, 77%, 71%
CMY	0.7720, 0.2275, 0.2863
CMYK	0.70, 0.00, 0.08, 0.23
HSL	174°, 54%, 50%
HSV	174°, 70%, 77%
XYZ	30.1593, 44.2094, 51.1905
YIQ	153.7290, -78.0290, -34.1330

# Conversions

## Conversions Part 2

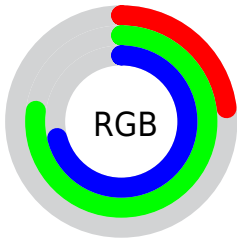
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 131, 197
Decimal	3851702
CIELab	72.37, -39.86, -3.16
CIELCh	72, 39.988, 184.527
Yxy	44.2094, 0.2402, 0.3521
Android (android.graphics.Color)	4282041782 (0xFF3AC5B6)
YUV	153.7290, 13.9376, -83.9543
Hunter-Lab	66.4901, -35.3918, 0.8960

# Details

The Yxy color **44.2094, 0.2402, 0.3521** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3939, 0.5246, 0.3136**, and the grayscale version is **32.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3418, 0.2529, 0.3476**, and **20.9310, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **43.6404, 0.2365, 0.3558**, and if you desaturate by 10%, it is **45.0091, 0.2458, 0.3484**.

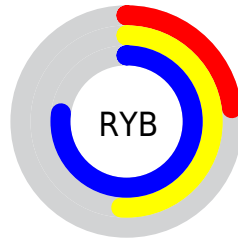
# Distribution



Red (23%)

Green (77%)

Blue (71%)



Red (23%)

Yellow (51%)

Blue (77%)

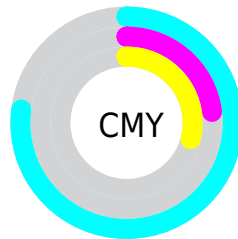


Cyan (70%)

Magenta (0%)

Yellow (8%)

Black (23%)



Cyan (77%)

Magenta (23%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2094, 0.2402, 0.3521 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 44.2094, 0.2402, 0.3521 by changing the saturation by 10% instead.





 44.2094, 0.2402,  
0.3521


 44.2094, 0.2402,  
0.3521

363.5621, 0.2762,  
0.3410


 30.8352, 0.2313,  
0.3547


 81.5327, 0.2532,  
0.3482


 20.4734, 0.2200,  
0.3580


 106.2506, 0.2581,  
0.3466


 12.7396, 0.2052,  
0.3622


 135.5186, 0.2623,  
0.3454

 7.2495, 0.1849,  
0.3676

 169.7209, 0.2659,  
0.3442

 3.6186, 0.1558,  
0.3748

 209.2420, 0.2690,  
0.3433

 1.4626, 0.0884,  
0.3940

254.4663, 0.2717,

 0.2622, 0.0000,

0.3424

0.3412

305.7782, 0.2741,  
0.3416

0.0000, 0.0000,  
0.0000

44.2094, 0.2402,  
0.3521

44.2094, 0.2402,  
0.3521

43.6404, 0.2365,  
0.3558

45.0091, 0.2458,  
0.3484

43.2696, 0.2346,  
0.3595

46.0575, 0.2533,  
0.3448

43.0530, 0.2342,  
0.3630

47.3763, 0.2625,  
0.3412

48.9839, 0.2733,  
0.3379

50.8968, 0.2853,  
0.3347

■ 53.1302, 0.2983,  
0.3318

■ 55.6984, 0.3120,  
0.3291

■ 58.6149, 0.3262,  
0.3267

■ 61.8923, 0.3405,  
0.3246

# Harmonies

## Analogous

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



44.2094, 0.2860, 0.4056



44.2094, 0.2402, 0.3521



44.2094, 0.2147, 0.2963

# Triad

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



44.2094, 0.2402, 0.3521



44.2094, 0.2764, 0.2445



44.2094, 0.4224, 0.3893

# Complementary

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



44.2094, 0.2402, 0.3521



15.3939, 0.5246, 0.3136

# 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.



44.2094, 0.4217, 0.3459



44.2094, 0.2402, 0.3521



44.2094, 0.3328, 0.2668

# Square

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



44.2094, 0.2402, 0.3521



44.2094, 0.2342, 0.2403



44.2094, 0.3878, 0.3027



44.2094, 0.3919, 0.4228



# Rectangle

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



44.2094, 0.2402, 0.3521



44.2094, 0.2108, 0.2678



44.2094, 0.3878, 0.3027



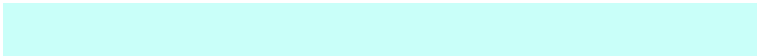
44.2094, 0.4260, 0.3753

# Sweetspot

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



44.2111, 0.2402, 0.3521



90.8527, 0.2843, 0.3350



41.7070, 0.3098, 0.5479



19.2313, 0.2808, 0.3358



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.



44.2111, 0.2402, 0.3521



77.7385, 0.2352, 0.3580



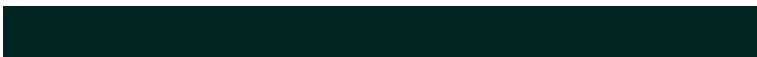
24.8120, 0.2113, 0.2408



12.0470, 0.2998, 0.3315



28.3270, 0.2341, 0.3626



1.3471, 0.2319, 0.3548



# Inverse Universe

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



15.3939, 0.5246, 0.3136



23.0066, 0.5903, 0.3173



23.6271, 0.4906, 0.3927



10.6553, 0.3273, 0.3265



7.8502, 0.6258, 0.3221

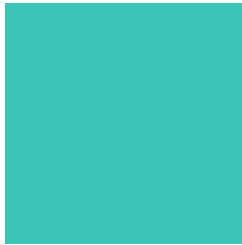


0.3782, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 44.2094, 0.2402, 0.3521 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 44.2094, 0.2402, 0.3521 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

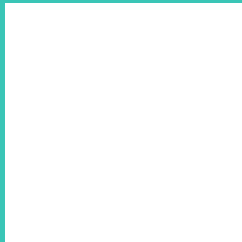
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.2094, 0.2402, 0.3521**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2094, 0.2402, 0.3521.

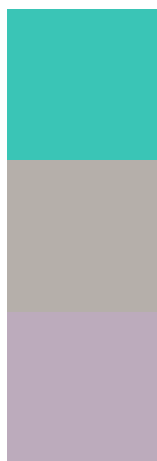


This preview shows how white text looks on a background with the Yxy color 44.2094, 0.2402, 0.3521.

# 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

44.2094, 0.2402, 0.3521

### Protanopia

43.3860, 0.3222, 0.3357

### Deuteranopia

43.4480, 0.3137, 0.3072



## **Tritanopia**

44.1598, 0.2305, 0.3054

# Trichromacy



## Original Color

44.2094, 0.2402, 0.3521



## Protanomaly

42.1572, 0.2818, 0.3421



## Deuteranomaly

41.8504, 0.2768, 0.3203



## Tritanomaly

43.9360, 0.2339, 0.3213

# Monochromacy



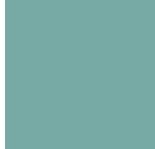
## Original Color

44.2094, 0.2402, 0.3521



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

35.3517, 0.2746, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2094, 0.2402, 0.3521 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(58, 197, 182)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 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(58, 197, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2094, 0.2402, 0.3521 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(58, 197, 182) }
```

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

```
.border{ border-color:rgb(58, 197, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 197, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 182);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2094, 0.2402, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 182) }
```

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

```
.background{ background-color: rgb(58, 197,  
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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