

# Converting Colors

$Yxy(52.7364, 0.2481, 0.3443)$

Have a look what the booklet for  
Yxy(52.7364, 0.2481, 0.3443)  
contains.

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# Color

**Yxy(52.5439, 0.2482, 0.3443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DD2C7
RGB	93, 210, 199
RGB Percent	36%, 82%, 78%
CMY	0.6349, 0.1765, 0.2195
CMYK	0.56, 0.00, 0.05, 0.18
HSL	174°, 56%, 59%
HSV	174°, 56%, 82%
XYZ	37.8780, 52.5439, 62.1889
YIQ	173.7630, -66.2010, -28.2250

# Conversions

## Conversions Part 2

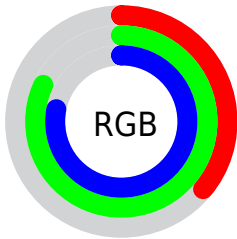
Format	Color
<a href="#">RYB</a>	<a href="#">93, 154, 210</a>
Decimal	<a href="#">6148807</a>
CIELab	<a href="#">77.60, -35.52, -4.55</a>
CIELCh	<a href="#">78, 35.812, 187.301</a>
Yxy	<a href="#">52.5439, 0.2482, 0.3443</a>
Android (android.graphics.Color)	<a href="#">4284338887</a> ( <a href="#">0xFF5DD2C7</a> )
YUV	<a href="#">173.7630, 12.4418, -70.8292</a>
Hunter-Lab	<a href="#">72.4872, -33.5778, -0.1256</a>

# Details

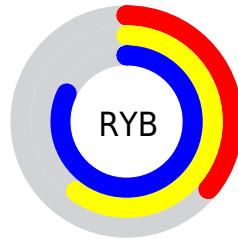
The Yxy color **52.5439, 0.2482, 0.3443** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5468, 0.4630, 0.3163**, and the grayscale version is **42.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **25.5726, 0.2316, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **51.5042, 0.2416, 0.3475**, and if you desaturate by 10%, it is **53.8897, 0.2567, 0.3412**.

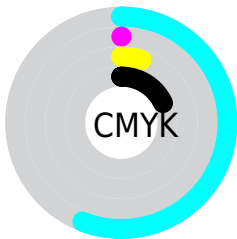
# Distribution



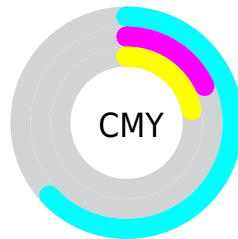
- Red (36%)
- Green (82%)
- Blue (78%)



- Red (36%)
- Yellow (60%)
- Blue (82%)



- Cyan (56%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)




- Cyan (63%)
- Magenta (18%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5439, 0.2482, 0.3443 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 52.5439, 0.2482, 0.3443 by changing the saturation by 10% instead.




 52.5439, 0.2482,  
0.3443


 52.5439, 0.2482,  
0.3443


396.5328, 0.2793,  
0.3373


 37.4388, 0.2408,  
0.3458


 93.9329, 0.2593,  
0.3419


 25.5474, 0.2315,  
0.3477


 120.9855, 0.2635,  
0.3410

 16.4854, 0.2194,  
0.3500


 152.7895, 0.2671,  
0.3402

 9.8683, 0.2033,  
0.3529

 189.7292, 0.2702,  
0.3394

 5.3117, 0.1807,  
0.3564

232.1890, 0.2729,  
0.3388

 2.4313, 0.1473,  
0.3604

280.5532, 0.2753,

 0.8419, 0.0000,

0.3383

0.4004

335.2064, 0.2774,  
0.3378

0.0000, 0.0000,  
0.0000

52.5439, 0.2482,  
0.3443

52.5439, 0.2482,  
0.3443

51.5042, 0.2416,  
0.3475

53.8897, 0.2567,  
0.3412

50.7393, 0.2369,  
0.3507

55.5580, 0.2668,  
0.3382

50.2218, 0.2341,  
0.3539

57.5711, 0.2784,  
0.3354

49.9156, 0.2331,  
0.3571

59.9477, 0.2911,  
0.3327

49.8194, 0.2329,  
0.3585

62.7049, 0.3047,  
0.3303

■ 65.8590, 0.3189,  
0.3281

■ 69.4253, 0.3335,  
0.3261

■ 72.2449, 0.3434,  
0.3242

■ 72.3467, 0.3420,  
0.3222

# Harmonies

## Analogous

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



52.5439, 0.2864, 0.3894



52.5439, 0.2482, 0.3443



52.5439, 0.2276, 0.2983

# Triad

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



52.5439, 0.2482, 0.3443



52.5439, 0.2863, 0.2574



52.5439, 0.4046, 0.3847

# Complementary

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



52.5439, 0.2482, 0.3443



22.5468, 0.4630, 0.3163

# 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.



52.5439, 0.4061, 0.3481



52.5439, 0.2482, 0.3443



52.5439, 0.3346, 0.2780

# Square

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



52.5439, 0.2482, 0.3443



52.5439, 0.2482, 0.2525



52.5439, 0.3798, 0.3102



52.5439, 0.3773, 0.4106



# Rectangle

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



52.5439, 0.2482, 0.3443



52.5439, 0.2253, 0.2747



52.5439, 0.3798, 0.3102



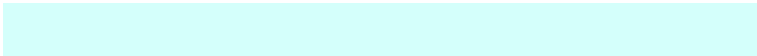
52.5439, 0.4082, 0.3732

# Sweetspot

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



52.5459, 0.2482, 0.3443



92.4257, 0.2891, 0.3331



49.8717, 0.3111, 0.5034



19.6164, 0.2865, 0.3336



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.



52.5459, 0.2482, 0.3443



79.6415, 0.2405, 0.3482



33.2623, 0.2281, 0.2591



13.3872, 0.2995, 0.3312



30.3996, 0.2328, 0.3580



1.7055, 0.2312, 0.3522



# Inverse Universe

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



22.5468, 0.4630, 0.3163



28.5477, 0.5168, 0.3157



33.2061, 0.4413, 0.3865



11.8260, 0.3276, 0.3268



8.3946, 0.6285, 0.3236

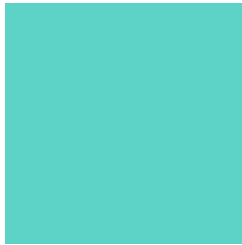


0.4757, 0.5960, 0.3057



# Previews

## White Background



This preview shows how the Yxy color 52.5439, 0.2482, 0.3443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

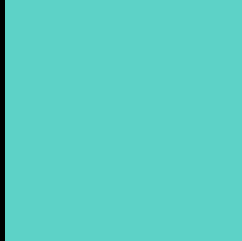
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5439, 0.2482, 0.3443 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

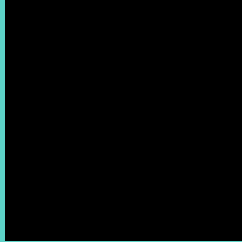
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

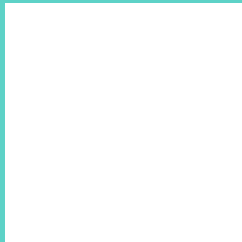
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.5439, 0.2482, 0.3443**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5439, 0.2482, 0.3443.

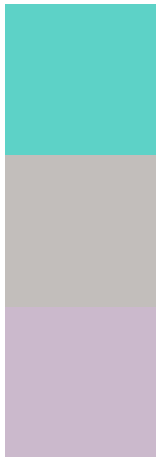


This preview shows how white text looks on a background with the Yxy color 52.5439, 0.2482, 0.3443.

# 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

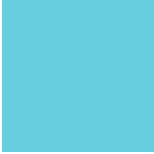
52.5439, 0.2482, 0.3443

### Protanopia

51.8841, 0.3183, 0.3327

### Deuteranopia

51.7541, 0.3130, 0.3063



## **Tritanopia**

52.2951, 0.2391, 0.3060

# Trichromacy



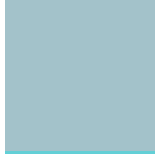
## Original Color

52.5439, 0.2482, 0.3443



## Protanomaly

50.8622, 0.2867, 0.3369



## Deuteranomaly

50.6344, 0.2834, 0.3185



## Tritanomaly

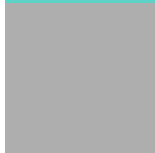
52.1333, 0.2424, 0.3192

# Monochromacy



## Original Color

52.5439, 0.2482, 0.3443



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.9793, 0.2826, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.5439, 0.2482, 0.3443 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(93, 210, 199)` looks like.

```
.text, #text, p{  
    color:rgb(93, 210, 199)  
}
```

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(93, 210, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 210, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5439, 0.2482, 0.3443 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(93, 210, 199) }
```

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

```
.border{ border-color:rgb(93, 210, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 210, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 210, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 210, 199);  
box-shadow:4px 4px 4px 4px rgb(93, 210,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5439, 0.2482, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 210, 199) }
```

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

```
.background{ background-color: rgb(93, 210,  
199) }
```

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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