

# Converting Colors

$Y_{xy}(54.2710, 0.2456, 0.3504)$

Have a look what the booklet for  
Yxy(54.2710, 0.2456, 0.3504)  
contains.

<b>Yxy(54.0557, 0.2455, 0.3500)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.0557, 0.2455, 0.3500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53D6C7
RGB	83, 214, 199
RGB Percent	33%, 84%, 78%
CMY	0.6749, 0.1607, 0.2196
CMYK	0.61, 0.00, 0.07, 0.16
HSL	173°, 62%, 58%
HSV	173°, 61%, 84%
XYZ	37.9162, 54.0557, 62.4729
YIQ	173.1210, -73.2610, -32.4370

# Conversions

## Conversions Part 2

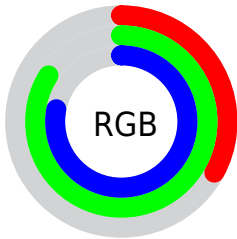
Format	Color
<a href="#">RYB</a>	83, 152, 214
Decimal	5494471
CIELab	78.49, -39.23, -3.27
CIElCh	78, 39.367, 184.765
Yxy	54.0557, 0.2455, 0.3500
Android (android.graphics.Color)	4283684551 (0xFF53D6C7)
YUV	173.1210, 12.7583, -79.0361
Hunter-Lab	73.5226, -36.6106, 1.0864

# Details

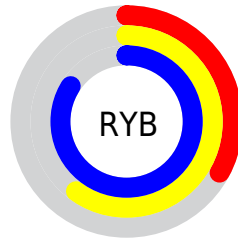
The Yxy color **54.0557, 0.2455, 0.3500** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.3486, 0.4836, 0.3127**, and the grayscale version is **41.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **26.8406, 0.2322, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **53.1185, 0.2401, 0.3540**, and if you desaturate by 10%, it is **55.2991, 0.2528, 0.3461**.

# Distribution



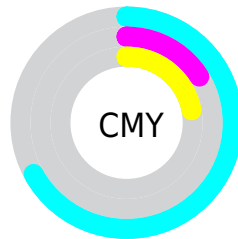
- Red (33%)
- Green (84%)
- Blue (78%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (67%)
- Magenta (16%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0557, 0.2455, 0.3500 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 54.0557, 0.2455, 0.3500 by changing the saturation by 10% instead.





 54.0557, 0.2455,  
0.3500


 54.0557, 0.2455,  
0.3500


402.3224, 0.2778,  
0.3402

 38.6462, 0.2378,  
0.3522


 96.1560, 0.2569,  
0.3466

 26.4846, 0.2282,  
0.3550


 123.6156, 0.2613,  
0.3453

 17.1865, 0.2158,  
0.3584


 155.8607, 0.2651,  
0.3441

 10.3676, 0.1993,  
0.3629


 193.2757, 0.2683,  
0.3431

 5.6433, 0.1764,  
0.3687

236.2450, 0.2711,  
0.3423

 2.6294, 0.1427,  
0.3763

285.1529, 0.2736,

 0.9415, 0.0000,

0.3415

0.4234

340.3839, 0.2758,  
0.3408

0.0000, 0.0000,  
0.0000

54.0557, 0.2455,  
0.3500

54.0557, 0.2455,  
0.3500

53.1185, 0.2401,  
0.3540

55.2991, 0.2528,  
0.3461

52.4526, 0.2367,  
0.3580

56.8675, 0.2618,  
0.3423

52.0258, 0.2351,  
0.3619

58.7854, 0.2725,  
0.3387

51.7965, 0.2348,  
0.3653

61.0733, 0.2844,  
0.3354

63.7500, 0.2973,  
0.3322

66.8332, 0.3110,  
0.3293

70.3393, 0.3250,  
0.3268

74.2839, 0.3393,  
0.3244

74.5826, 0.3382,  
0.3220

# Harmonies

## Analogous

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



54.0557, 0.2880, 0.3987



54.0557, 0.2455, 0.3500



54.0557, 0.2217, 0.2989

# Triad

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



54.0557, 0.2455, 0.3500



54.0557, 0.2797, 0.2506



54.0557, 0.4139, 0.3857

# Complementary

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



54.0557, 0.2455, 0.3500



21.3486, 0.4836, 0.3127

# 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.



54.0557, 0.4131, 0.3456



54.0557, 0.2455, 0.3500



54.0557, 0.3318, 0.2715

# Square

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



54.0557, 0.2455, 0.3500



54.0557, 0.2402, 0.2467



54.0557, 0.3822, 0.3052



54.0557, 0.3859, 0.4159



# Rectangle

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



54.0557, 0.2455, 0.3500



54.0557, 0.2181, 0.2725



54.0557, 0.3822, 0.3052



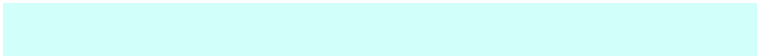
54.0557, 0.4171, 0.3729

# Sweetspot

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



54.0578, 0.2455, 0.3500



91.9762, 0.2883, 0.3344



51.3299, 0.3115, 0.5214



19.4489, 0.2846, 0.3353



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.



54.0578, 0.2455, 0.3500



78.5952, 0.2387, 0.3554



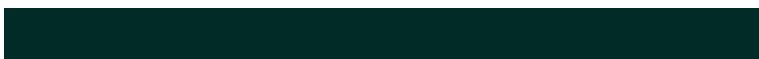
33.1520, 0.2215, 0.2539



14.0823, 0.2998, 0.3317



31.3133, 0.2347, 0.3648



1.8958, 0.2328, 0.3579



# Inverse Universe

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



21.3486, 0.4836, 0.3127



25.8944, 0.5437, 0.3131



31.7392, 0.4612, 0.3883



12.4437, 0.3273, 0.3264



8.6900, 0.6253, 0.3218

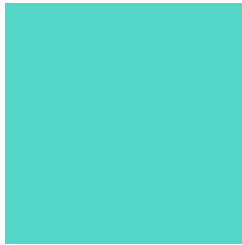


0.5321, 0.5897, 0.3022



# Previews

## White Background



This preview shows how the Yxy color 54.0557, 0.2455, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

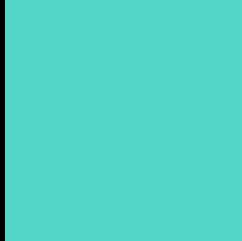
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0557, 0.2455, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

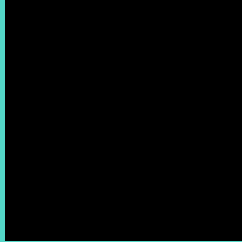
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

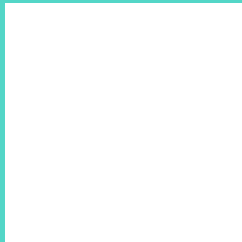
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0557, 0.2455, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0557, 0.2455, 0.3500.

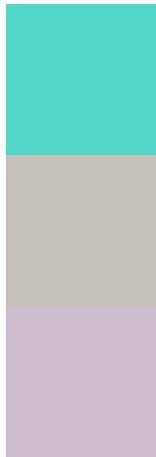


This preview shows how white text looks on a background with the Yxy color 54.0557, 0.2455, 0.3500.

# 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

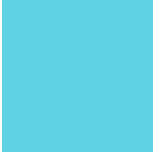
54.0557, 0.2455, 0.3500

### Protanopia

53.2502, 0.3222, 0.3364

### Deuteranopia

53.0702, 0.3145, 0.3077



## **Tritanopia**

54.0721, 0.2357, 0.3062

# Trichromacy



## Original Color

54.0557, 0.2455, 0.3500



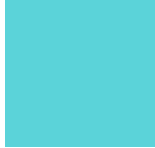
## Protanomaly

52.1381, 0.2862, 0.3409



## Deuteranomaly

51.8214, 0.2816, 0.3211



## Tritanomaly

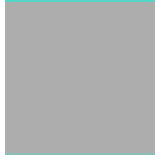
53.8224, 0.2391, 0.3206

# Monochromacy



## Original Color

54.0557, 0.2455, 0.3500



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

44.9193, 0.2798, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0557, 0.2455, 0.3500 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, 214, 199)` looks like.

```
.text, #text, p{  
    color:rgb(83, 214, 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(83, 214, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 214, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0557, 0.2455, 0.3500 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, 214, 199) }
```

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

```
.border{ border-color:rgb(83, 214, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 214, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 214, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 214, 199);  
box-shadow:4px 4px 4px 4px rgb(83, 214,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0557, 0.2455, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 214, 199) }
```

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

```
.background{ background-color: rgb(83, 214,  
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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