

# Converting Colors

$Yxy(43.5013, 0.2455, 0.3461)$

Have a look what the booklet for  
Yxy(43.5013, 0.2455, 0.3461)  
contains.

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# Color

**Yxy(43.6222, 0.2455, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EC2B7
RGB	78, 194, 183
RGB Percent	31%, 76%, 72%
CMY	0.6942, 0.2392, 0.2824
CMYK	0.60, 0.00, 0.06, 0.24
HSL	174°, 49%, 53%
HSV	174°, 60%, 76%
XYZ	30.9784, 43.6222, 51.5845
YIQ	158.0620, -65.6050, -28.0130

# Conversions

## Conversions Part 2

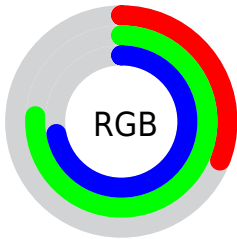
Format	Color
<a href="#">RYB</a>	78, 139, 194
Decimal	5161655
CIELab	71.98, -35.11, -4.23
CIELCh	72, 35.364, 186.873
Yxy	43.6222, 0.2455, 0.3457
Android (android.graphics.Color)	4283351735 (0xFF4EC2B7)
YUV	158.0620, 12.2944, -70.2144
Hunter-Lab	66.0471, -31.8596, -0.0740

# Details

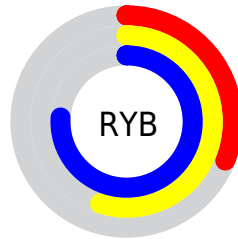
The Yxy color **43.6222, 0.2455, 0.3457** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.6358, 0.4794, 0.3158**, and the grayscale version is **34.1843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6296, 0.2575, 0.3428**, and **20.3679, 0.2307, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **42.8460, 0.2397, 0.3489**, and if you desaturate by 10%, it is **44.6444, 0.2532, 0.3425**.

# Distribution



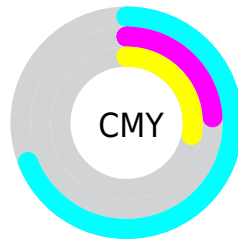
- Red (31%)
- Green (76%)
- Blue (72%)



- Red (31%)
- Yellow (55%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)




- Cyan (69%)
- Magenta (24%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6222, 0.2455, 0.3457 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 43.6222, 0.2455, 0.3457 by changing the saturation by 10% instead.





 43.6222, 0.2455,  
0.3457


 43.6222, 0.2455,  
0.3457


361.1643, 0.2790,  
0.3378


 30.3736, 0.2372,  
0.3475


 80.6489, 0.2576,  
0.3429


 20.1223, 0.2267,  
0.3498

 105.1959, 0.2622,  
0.3419

 12.4840, 0.2128,  
0.3525


 134.2777, 0.2660,  
0.3410

 7.0742, 0.1937,  
0.3561

 168.2789, 0.2694,  
0.3402

 3.5086, 0.1660,  
0.3604

207.5837, 0.2722,  
0.3395

 1.4026, 0.1069,  
0.3719

252.5766, 0.2748,

 0.2187, 0.0000,

0.3388

0.2905

303.6421, 0.2770,  
0.3383

0.0000, 0.0000,  
0.0000

43.6222, 0.2455,  
0.3457

43.6222, 0.2455,  
0.3457

42.8460, 0.2397,  
0.3489

44.6444, 0.2532,  
0.3425

42.2887, 0.2357,  
0.3522

45.9269, 0.2627,  
0.3395

41.9262, 0.2336,  
0.3554

47.4886, 0.2736,  
0.3366

41.7091, 0.2330,  
0.3586

49.3456, 0.2859,  
0.3338

41.7054, 0.2330,  
0.3587

51.5123, 0.2991,  
0.3313

■ 54.0026, 0.3130,  
0.3290

■ 56.8292, 0.3273,  
0.3269

■ 60.0044, 0.3418,  
0.3250

■ 63.5397, 0.3563,  
0.3233

# Harmonies

## Analogous

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



43.6222, 0.2857, 0.3933



43.6222, 0.2455, 0.3457



43.6222, 0.2238, 0.2971

# Triad

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



43.6222, 0.2455, 0.3457



43.6222, 0.2842, 0.2539



43.6222, 0.4093, 0.3866

# Complementary

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



43.6222, 0.2455, 0.3457



17.6358, 0.4794, 0.3158

# 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.



43.6222, 0.4106, 0.3482



43.6222, 0.2455, 0.3457



43.6222, 0.3349, 0.2753

# Square

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



43.6222, 0.2455, 0.3457



43.6222, 0.2447, 0.2490



43.6222, 0.3826, 0.3087



43.6222, 0.3808, 0.4144



# Rectangle

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



43.6222, 0.2455, 0.3457



43.6222, 0.2213, 0.2724



43.6222, 0.3826, 0.3087



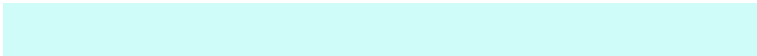
43.6222, 0.4131, 0.3744

# Sweetspot

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



43.6239, 0.2455, 0.3457



89.9564, 0.2878, 0.3334



41.2887, 0.3106, 0.5161



19.4628, 0.2840, 0.3342



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.



43.6239, 0.2455, 0.3457



77.2415, 0.2381, 0.3500



26.5660, 0.2231, 0.2532



11.4114, 0.2997, 0.3312



27.4245, 0.2328, 0.3582



1.1898, 0.2309, 0.3511



# Inverse Universe

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



17.6358, 0.4794, 0.3158



25.9497, 0.5393, 0.3159



26.5319, 0.4534, 0.3896



10.0931, 0.3274, 0.3268



7.5759, 0.6278, 0.3232

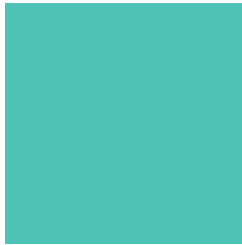


0.3327, 0.5890, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 43.6222, 0.2455, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

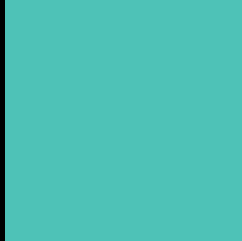
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6222, 0.2455, 0.3457 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

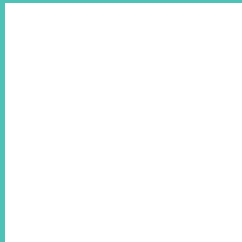
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6222, 0.2455, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.6222, 0.2455, 0.3457.

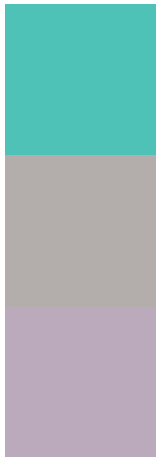


This preview shows how white text looks on a background with the Yxy color 43.6222, 0.2455, 0.3457.

# 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

43.6222, 0.2455, 0.3457

### Protanopia

42.8344, 0.3188, 0.3317

### Deuteranopia

42.8194, 0.3120, 0.3057



## Tritanopia

43.7441, 0.2365, 0.3070

# Trichromacy



**Original Color**

43.6222, 0.2455, 0.3457

**Protanomaly**

41.9331, 0.2847, 0.3362

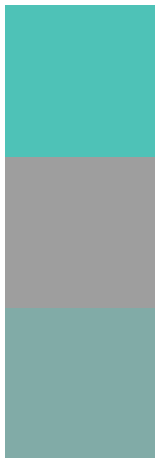
**Deuteranomaly**

41.9884, 0.2812, 0.3190

**Tritanomaly**

43.6613, 0.2396, 0.3199

# Monochromacy



**Original Color**

43.6222, 0.2455, 0.3457

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

36.5830, 0.2802, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6222, 0.2455, 0.3457 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(78, 194, 183)` looks like.

```
.text, #text, p{  
    color:rgb(78, 194, 183)  
}
```

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(78, 194, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 194, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6222, 0.2455, 0.3457 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(78, 194, 183) }
```

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

```
.border{ border-color:rgb(78, 194, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 194, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 194, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 194, 183);  
box-shadow:4px 4px 4px 4px rgb(78, 194,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6222, 0.2455, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 194, 183) }
```

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

```
.background{ background-color: rgb(78, 194,  
183) }
```

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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