

# Converting Colors

$Yxy(44.6867, 0.2373, 0.3391)$

Have a look what the booklet for  
Yxy(44.6867, 0.2373, 0.3391)  
contains.

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# Color

**Yxy(44.6743, 0.2374, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EC5BE
RGB	62, 197, 190
RGB Percent	24%, 77%, 75%
CMY	0.7569, 0.2274, 0.2548
CMYK	0.69, 0.00, 0.04, 0.23
HSL	177°, 54%, 51%
HSV	177°, 69%, 77%
XYZ	31.2483, 44.6743, 55.7047
YIQ	155.8370, -78.2130, -30.7970

# Conversions

## Conversions Part 2

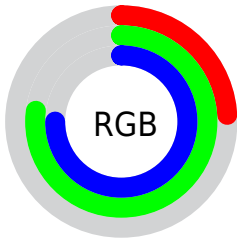
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 131, 197
Decimal	4113854
CIELab	72.68, -37.14, -7.07
CIELCh	73, 37.804, 190.774
Yxy	44.6743, 0.2374, 0.3394
Android (android.graphics.Color)	4282303934 (0xFF3EC5BE)
YUV	155.8370, 16.8424, -82.2950
Hunter-Lab	66.8388, -33.5161, -2.6261

# Details

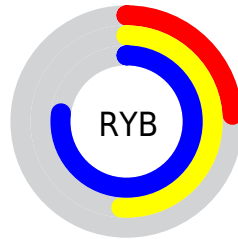
The Yxy color **44.6743, 0.2374, 0.3394** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.7440, 0.5284, 0.3222**, and the grayscale version is **33.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0495, 0.2506, 0.3381**, and **21.4511, 0.2282, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **44.1062, 0.2329, 0.3411**, and if you desaturate by 10%, it is **45.4769, 0.2438, 0.3377**.

# Distribution



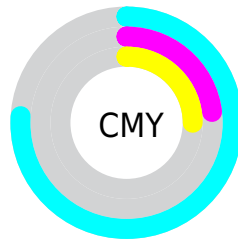
- Red (24%)
- Green (77%)
- Blue (75%)



- Red (24%)
- Yellow (51%)
- Blue (77%)



- Cyan (69%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)




- Cyan (76%)
- Magenta (23%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6743, 0.2374, 0.3394 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 44.6743, 0.2374, 0.3394 by changing the saturation by 10% instead.





 44.6743, 0.2374,  
0.3394


 44.6743, 0.2374,  
0.3394


365.4529, 0.2745,  
0.3350

 31.2010, 0.2283,  
0.3402


 82.2314, 0.2507,  
0.3380

 20.7519, 0.2169,  
0.3411


 107.0840, 0.2558,  
0.3374

 12.9428, 0.2019,  
0.3420


 136.4985, 0.2601,  
0.3369

 7.3892, 0.1816,  
0.3428

 170.8593, 0.2638,  
0.3364

 3.7066, 0.1529,  
0.3426

 210.5507, 0.2670,  
0.3360

 1.5109, 0.0972,  
0.3438

255.9572, 0.2698,

 0.2964, 0.0000,

0.3356

0.2662

307.4631, 0.2723,  
0.3353

0.0000, 0.0000,  
0.0000

44.6743, 0.2374,  
0.3394

44.6743, 0.2374,  
0.3394

44.1062, 0.2329,  
0.3411

45.4769, 0.2438,  
0.3377

43.7411, 0.2303,  
0.3428

46.5312, 0.2520,  
0.3360

43.5386, 0.2292,  
0.3445

47.8587, 0.2620,  
0.3344

43.5136, 0.2291,  
0.3447

49.4772, 0.2736,  
0.3329

51.4030, 0.2864,  
0.3314

■ 53.6512, 0.3003,  
0.3301

■ 56.2359, 0.3149,  
0.3288

■ 59.1704, 0.3299,  
0.3277

■ 62.4671, 0.3452,  
0.3267

# Harmonies

## Analogous

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



44.6743, 0.2775, 0.3918



44.6743, 0.2374, 0.3394



44.6743, 0.2176, 0.2891

# Triad

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



44.6743, 0.2374, 0.3394



44.6743, 0.2889, 0.2520



44.6743, 0.4125, 0.3942

# Complementary

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



44.6743, 0.2374, 0.3394



15.7440, 0.5284, 0.3222

# 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.



44.6743, 0.4182, 0.3543



44.6743, 0.2374, 0.3394



44.6743, 0.3433, 0.2763

# Square

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



44.6743, 0.2374, 0.3394



44.6743, 0.2452, 0.2442



44.6743, 0.3923, 0.3125



44.6743, 0.3790, 0.4217



# Rectangle

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



44.6743, 0.2374, 0.3394



44.6743, 0.2170, 0.2648



44.6743, 0.3923, 0.3125



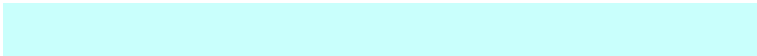
44.6743, 0.4179, 0.3817

# Sweetspot

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



44.6760, 0.2374, 0.3394



91.0430, 0.2827, 0.3318



41.6203, 0.3067, 0.5447



19.2773, 0.2791, 0.3322



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.



44.6760, 0.2374, 0.3394



78.6420, 0.2315, 0.3419



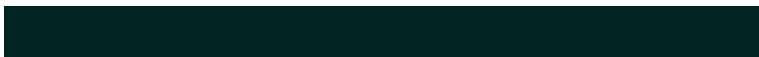
23.3749, 0.2105, 0.2319



12.0577, 0.2991, 0.3302



28.6242, 0.2290, 0.3445



1.3583, 0.2281, 0.3410



# Inverse Universe

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



15.7440, 0.5284, 0.3222



23.4987, 0.5919, 0.3239



25.7706, 0.4766, 0.4004



10.6457, 0.3282, 0.3278



7.8261, 0.6338, 0.3265

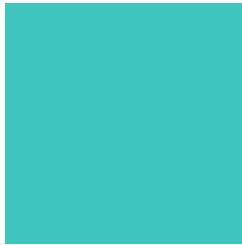


0.3737, 0.6123, 0.3147



# Previews

## White Background



This preview shows how the Yxy color 44.6743, 0.2374, 0.3394 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 44.6743, 0.2374, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

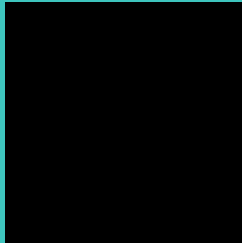
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

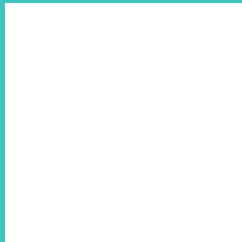
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.6743, 0.2374, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.6743, 0.2374, 0.3394.

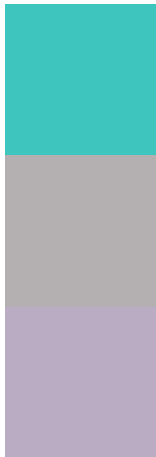


This preview shows how white text looks on a background with the Yxy color 44.6743, 0.2374, 0.3394.

# 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

44.6743, 0.2374, 0.3394

### Protanopia

43.9683, 0.3146, 0.3264

### Deuteranopia

43.8843, 0.3062, 0.2996



## Tritanopia

44.6532, 0.2304, 0.3055

# Trichromacy



## Original Color

44.6743, 0.2374, 0.3394



## Protanomaly

42.9767, 0.2771, 0.3318



## Deuteranomaly

42.5607, 0.2722, 0.3120



## Tritanomaly

44.6072, 0.2327, 0.3169

# Monochromacy



## Original Color

44.6743, 0.2374, 0.3394



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

36.0905, 0.2741, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6743, 0.2374, 0.3394 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(62, 197, 190)` looks like.

```
.text, #text, p{  
  color:rgb(62, 197, 190)  
}
```

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(62, 197, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 197, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6743, 0.2374, 0.3394 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(62, 197, 190) }
```

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

```
.border{ border-color:rgb(62, 197, 190) }
```

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

Here you see how a box with a 4 pixel rgb(62, 197, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 197, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 197, 190);  
box-shadow:4px 4px 4px 4px rgb(62, 197,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6743, 0.2374, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 197, 190) }
```

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

```
.background{ background-color: rgb(62, 197,  
190) }
```

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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