

# Converting Colors

$Y_{xy}(44.2599, 0.2347, 0.3333)$

Have a look what the booklet for  
Yxy(44.2599, 0.2347, 0.3333)  
contains.

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# Color

**Yxy(44.2599, 0.2347, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BC4C1
RGB	59, 196, 193
RGB Percent	23%, 77%, 76%
CMY	0.7690, 0.2313, 0.2430
CMYK	0.70, 0.00, 0.02, 0.23
HSL	179°, 54%, 50%
HSV	179°, 70%, 77%
XYZ	31.1665, 44.2599, 57.3666
YIQ	154.6950, -80.6890, -29.9770

# Conversions

## Conversions Part 2

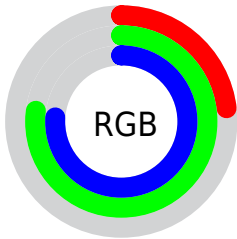
Format	Color
<a href="#">RYB</a>	59, 128, 196
Decimal	3916993
CIELab	72.40, -36.25, -9.12
CIElCh	72, 37.382, 194.115
Yxy	44.2599, 0.2347, 0.3333
Android (android.graphics.Color)	4282107073 (0xFF3BC4C1)
YUV	154.6950, 18.8844, -83.9245
Hunter-Lab	66.5281, -32.8021, -4.5555

# Details

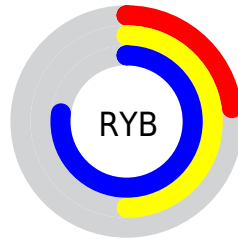
The Yxy color **44.2599, 0.2347, 0.3333** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.2008, 0.5413, 0.3266**, and the grayscale version is **32.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5257, 0.2488, 0.3334**, and **21.2395, 0.2258, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **43.7530, 0.2303, 0.3340**, and if you desaturate by 10%, it is **44.9948, 0.2410, 0.3326**.

# Distribution



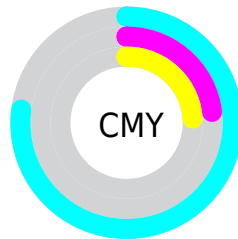
- Red (23%)
- Green (77%)
- Blue (76%)



- Red (23%)
- Yellow (50%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2599, 0.2347, 0.3333 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 44.2599, 0.2347, 0.3333 by changing the saturation by 10% instead.





 44.2599, 0.2347,  
0.3333

 44.2599, 0.2347,  
0.3333


363.7678, 0.2731,  
0.3321

 30.8749, 0.2254,  
0.3333


 81.6087, 0.2485,  
0.3331

 20.5036, 0.2136,  
0.3330


 106.3412, 0.2537,  
0.3330

 12.7616, 0.1982,  
0.3324


 135.6251, 0.2582,  
0.3328

 7.2646, 0.1774,  
0.3309

 169.8447, 0.2620,  
0.3327

 3.6281, 0.1481,  
0.3272

 209.3843, 0.2653,  
0.3325

 1.4678, 0.0922,  
0.3222

254.6285, 0.2682,

 0.2659, 0.0000,

0.3324

0.2229

305.9615, 0.2708,  
0.3323

0.0000, 0.0000,  
0.0000

44.2599, 0.2347,  
0.3333

44.2599, 0.2347,  
0.3333

43.7530, 0.2303,  
0.3340

44.9948, 0.2410,  
0.3326

43.4425, 0.2277,  
0.3347

45.9753, 0.2492,  
0.3319

43.2786, 0.2265,  
0.3354

47.2229, 0.2592,  
0.3313

43.2779, 0.2265,  
0.3354

48.7553, 0.2708,  
0.3306

50.5890, 0.2838,  
0.3300

■ 52.7389, 0.2979,  
0.3295

■ 55.2192, 0.3128,  
0.3290

■ 58.0429, 0.3282,  
0.3286

■ 61.2226, 0.3439,  
0.3282

# Harmonies

## Analogous

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



44.2599, 0.2726, 0.3861



44.2599, 0.2347, 0.3333



44.2599, 0.2175, 0.2849

# Triad

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



44.2599, 0.2347, 0.3333



44.2599, 0.2949, 0.2545



44.2599, 0.4092, 0.3976

# Complementary

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



44.2599, 0.2347, 0.3333



15.2008, 0.5413, 0.3266

# 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.



44.2599, 0.4183, 0.3588



44.2599, 0.2347, 0.3333



44.2599, 0.3490, 0.2802

# Square

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



44.2599, 0.2347, 0.3333



44.2599, 0.2497, 0.2448



44.2599, 0.3959, 0.3171



44.2599, 0.3736, 0.4227



# Rectangle

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



44.2599, 0.2347, 0.3333



44.2599, 0.2185, 0.2622



44.2599, 0.3959, 0.3171



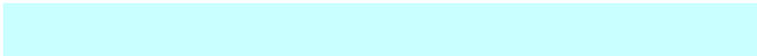
44.2599, 0.4156, 0.3856

# Sweetspot

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



44.2616, 0.2347, 0.3333



91.1452, 0.2819, 0.3301



40.8704, 0.3043, 0.5501



19.3020, 0.2782, 0.3303



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.



44.2616, 0.2347, 0.3333



78.9108, 0.2287, 0.3344



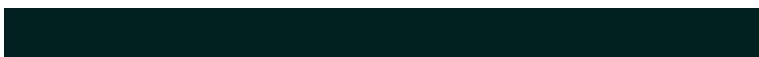
21.4215, 0.2069, 0.2214



11.4246, 0.2987, 0.3295



27.8072, 0.2265, 0.3353



1.2027, 0.2260, 0.3337



# Inverse Universe

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



15.2008, 0.5413, 0.3266



23.0251, 0.6050, 0.3277



26.1884, 0.4757, 0.4068



10.0814, 0.3286, 0.3285



7.5484, 0.6374, 0.3285

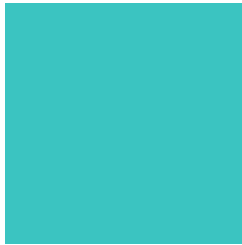


0.3274, 0.6273, 0.3230



# Previews

## White Background



This preview shows how the Yxy color 44.2599, 0.2347, 0.3333 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 44.2599, 0.2347, 0.3333 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

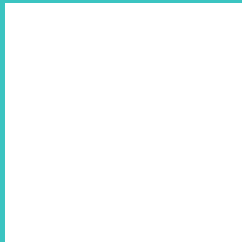
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.2599, 0.2347, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2599, 0.2347, 0.3333.

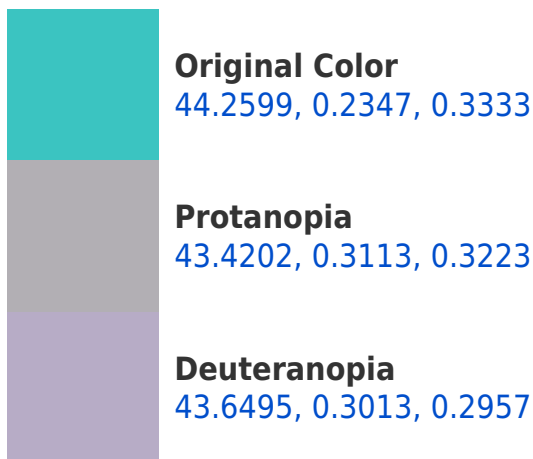


This preview shows how white text looks on a background with the Yxy color 44.2599, 0.2347, 0.3333.

# 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





## Tritanopia

44.4160, 0.2293, 0.3069

# Trichromacy



## Original Color

44.2599, 0.2347, 0.3333



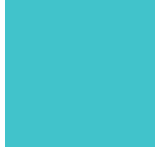
## Protanomaly

42.5207, 0.2736, 0.3260



## Deuteranomaly

42.4365, 0.2681, 0.3078



## Tritanomaly

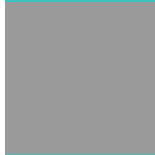
44.4658, 0.2314, 0.3169

# Monochromacy



## Original Color

44.2599, 0.2347, 0.3333



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

35.6071, 0.2717, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2599, 0.2347, 0.3333 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(59, 196, 193)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 193)  
}
```

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(59, 196, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2599, 0.2347, 0.3333 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(59, 196, 193) }
```

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

```
.border{ border-color:rgb(59, 196, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 193);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2599, 0.2347, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 193) }
```

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

```
.background{ background-color: rgb(59, 196,  
193) }
```

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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