

# Converting Colors

$Yxy(44.9634, 0.2244, 0.3054)$

Have a look what the booklet for  
Yxy(44.9634, 0.2244, 0.3054)  
contains.

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# Color

**Yxy(44.9634, 0.2244, 0.3054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34C4D4
RGB	52, 196, 212
RGB Percent	20%, 77%, 83%
CMY	0.7962, 0.2313, 0.1686
CMYK	0.75, 0.08, 0.00, 0.17
HSL	186°, 65%, 52%
HSV	186°, 75%, 83%
XYZ	33.0379, 44.9634, 69.2266
YIQ	154.7680, -90.9600, -25.5520

# Conversions

## Conversions Part 2

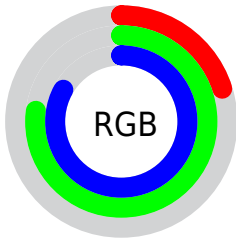
Format	Color
R <sub>YB</sub>	52, 128, 212
Decimal	3458260
CIE Lab	72.87, -31.49, -18.76
CIE LCh	73, 36.656, 210.775
Yxy	44.9634, 0.2244, 0.3054
Android (android.graphics.Color)	4281648340 (0xFF34C4D4)
YUV	154.7680, 28.2154, -90.1275
Hunter-Lab	67.0548, -29.3987, -14.2720

# Details

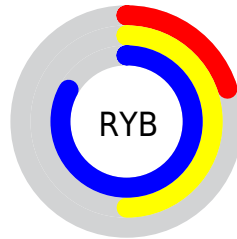
The Yxy color **44.9634, 0.2244, 0.3054** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.3740, 0.5584, 0.3439**, and the grayscale version is **32.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6815, 0.2452, 0.3265**, and **21.7803, 0.2164, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **43.5743, 0.2197, 0.3019**, and if you desaturate by 10%, it is **46.6216, 0.2310, 0.3089**.

# Distribution



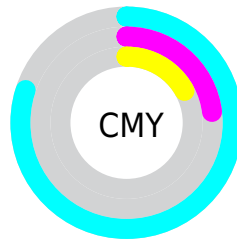
- Red (20%)
- Green (77%)
- Blue (83%)



- Red (20%)
- Yellow (50%)
- Blue (83%)



- Cyan (75%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)




- Cyan (80%)
- Magenta (23%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9634, 0.2244, 0.3054 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 44.9634, 0.2244, 0.3054 by changing the saturation by 10% instead.





 44.9634, 0.2244,  
0.3054


 44.9634, 0.2244,  
0.3054


366.6253, 0.2672,  
0.3186


 31.4286, 0.2142,  
0.3017


 82.6655, 0.2396,  
0.3105

 20.9254, 0.2015,  
0.2968


 107.6016, 0.2454,  
0.3123

 13.0695, 0.1851,  
0.2899


 137.1069, 0.2504,  
0.3138

 7.4764, 0.1636,  
0.2798

 171.5657, 0.2547,  
0.3151

 3.7618, 0.1342,  
0.2637

 211.3626, 0.2584,  
0.3162

 1.5412, 0.0899,  
0.2369

256.8819, 0.2617,

 0.3175, 0.0000,

0.3171

0.1474

308.5080, 0.2646,  
0.3179

0.0000, 0.0000,  
0.0000

44.9634, 0.2244,  
0.3054

44.9634, 0.2244,  
0.3054

43.5743, 0.2197,  
0.3019

46.6216, 0.2310,  
0.3089

42.4126, 0.2168,  
0.2985

48.5740, 0.2395,  
0.3123

41.9334, 0.2158,  
0.2970

50.8482, 0.2498,  
0.3157

53.4671, 0.2617,  
0.3190

56.4515, 0.2749,  
0.3220

■ 59.8204, 0.2892,  
0.3249

■ 63.5917, 0.3043,  
0.3276

■ 67.7818, 0.3197,  
0.3301

■ 72.4065, 0.3354,  
0.3323

# Harmonies

## Analogous

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



44.9634, 0.2508, 0.3568



44.9634, 0.2244, 0.3054



44.9634, 0.2198, 0.2669

# Triad

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



44.9634, 0.2244, 0.3054



44.9634, 0.3245, 0.2684



44.9634, 0.3902, 0.4122

# Complementary

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



44.9634, 0.2244, 0.3054



18.3740, 0.5584, 0.3439

# 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.



44.9634, 0.4146, 0.3803



44.9634, 0.2244, 0.3054



44.9634, 0.3756, 0.3004

# Square

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



44.9634, 0.2244, 0.3054



44.9634, 0.2739, 0.2497



44.9634, 0.4097, 0.3401



44.9634, 0.3459, 0.4231



# Rectangle

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



44.9634, 0.2244, 0.3054



44.9634, 0.2289, 0.2523



44.9634, 0.4097, 0.3401



44.9634, 0.4011, 0.4032

# Sweetspot

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



44.9651, 0.2244, 0.3054



86.8391, 0.2781, 0.3227



48.2029, 0.2976, 0.5534



18.2085, 0.2730, 0.3216



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.



44.9651, 0.2244, 0.3054



65.0048, 0.2177, 0.2997



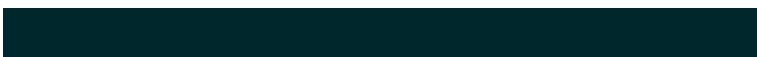
18.5915, 0.1922, 0.1800



13.8858, 0.2983, 0.3266



25.9706, 0.2160, 0.2975



1.6291, 0.2176, 0.3034



# Inverse Universe

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



20.4356, 0.3395, 0.1810



27.6859, 0.3454, 0.1705



34.5932, 0.4716, 0.4299



12.6103, 0.3153, 0.3083



10.9666, 0.3476, 0.1689

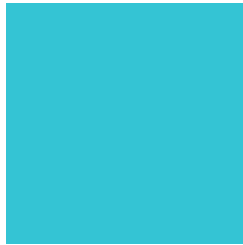


0.6678, 0.3424, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 44.9634, 0.2244, 0.3054 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 44.9634, 0.2244, 0.3054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

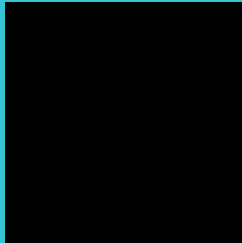
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9634, 0.2244, 0.3054**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9634, 0.2244, 0.3054.

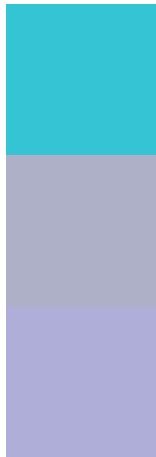


This preview shows how white text looks on a background with the Yxy color 44.9634, 0.2244, 0.3054.

# 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

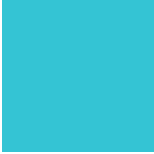
44.9634, 0.2244, 0.3054

### Protanopia

44.1729, 0.2930, 0.2990

### Deuteranopia

44.3958, 0.2806, 0.2748



## Tritanopia

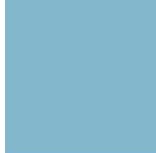
44.9634, 0.2244, 0.3054

# Trichromacy



## Original Color

44.9634, 0.2244, 0.3054



## Protanomaly

42.9724, 0.2581, 0.2995



## Deuteranomaly

43.1080, 0.2515, 0.2838



## Tritanomaly

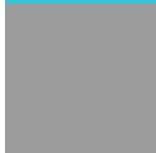
44.9634, 0.2244, 0.3054

# Monochromacy



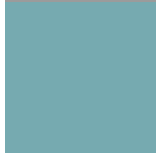
## Original Color

44.9634, 0.2244, 0.3054



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

35.7356, 0.2654, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9634, 0.2244, 0.3054 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(52, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(52, 196, 212)  
}
```

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(52, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 196, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9634, 0.2244, 0.3054 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(52, 196, 212) }
```

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

```
.border{ border-color:rgb(52, 196, 212) }
```

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

Here you see how a box with a 4 pixel rgb(52, 196, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(52, 196,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9634, 0.2244, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 196, 212) }
```

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

```
.background{ background-color: rgb(52, 196,  
212) }
```

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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