

# Converting Colors

$Y_{xy}(43.7478, 0.2327, 0.3076)$

Have a look what the booklet for  
Yxy(43.7478, 0.2327, 0.3076)  
contains.

<b>Yxy(43.7333, 0.2330, 0.3083)</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(43.7333, 0.2330, 0.3083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DC0CE
RGB	77, 192, 206
RGB Percent	30%, 75%, 81%
CMY	0.6977, 0.2471, 0.1923
CMYK	0.63, 0.07, 0.00, 0.19
HSL	187°, 57%, 55%
HSV	187°, 63%, 81%
XYZ	33.0518, 43.7333, 65.0680
YIQ	159.2110, -73.0340, -20.0260

# Conversions

## Conversions Part 2

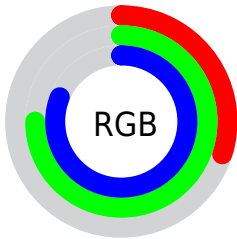
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 138, 206
Decimal	5095630
CIELab	72.05, -27.92, -16.65
CIELCh	72, 32.508, 210.811
Yxy	43.7333, 0.2330, 0.3083
Android (android.graphics.Color)	4283285710 (0xFF4DC0CE)
YUV	159.2110, 23.0670, -72.0990
Hunter-Lab	66.1312, -26.5168, -12.0450

# Details

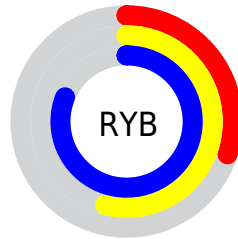
The Yxy color **43.7333, 0.2330, 0.3083** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.1440, 0.4990, 0.3456**, and the grayscale version is **34.6998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4603, 0.2504, 0.3220**, and **20.4440, 0.2168, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **42.0359, 0.2257, 0.3045**, and if you desaturate by 10%, it is **45.7201, 0.2422, 0.3120**.

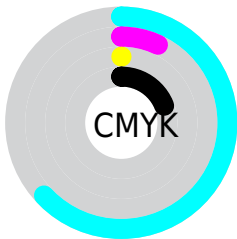
# Distribution



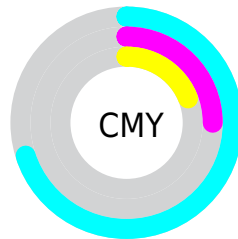
- Red (30%)
- Green (75%)
- Blue (81%)



- Red (30%)
- Yellow (54%)
- Blue (81%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)




- Cyan (70%)
- Magenta (25%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7333, 0.2330, 0.3083 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 43.7333, 0.2330, 0.3083 by changing the saturation by 10% instead.





 43.7333, 0.2330,  
0.3083


 43.7333, 0.2330,  
0.3083


361.6188, 0.2720,  
0.3199


 30.4609, 0.2236,  
0.3051


 80.8163, 0.2470,  
0.3128


 20.1887, 0.2117,  
0.3007


 105.3956, 0.2523,  
0.3144

 12.5323, 0.1964,  
0.2946

 134.5128, 0.2568,  
0.3157

 7.1073, 0.1758,  
0.2856

 168.5521, 0.2607,  
0.3168

 3.5293, 0.1472,  
0.2711

207.8979, 0.2641,  
0.3177

 1.4139, 0.1021,  
0.2463

252.9347, 0.2671,

 0.2269, 0.0000,

0.3186

0.1327

304.0469, 0.2697,  
0.3193

0.0000, 0.0000,  
0.0000

43.7333, 0.2330,  
0.3083

43.7333, 0.2330,  
0.3083

42.0359, 0.2257,  
0.3045

45.7201, 0.2422,  
0.3120

40.5964, 0.2204,  
0.3008

48.0145, 0.2530,  
0.3157

39.3842, 0.2168,  
0.2970

50.6390, 0.2654,  
0.3191

38.5893, 0.2151,  
0.2943

53.6124, 0.2790,  
0.3224

56.9521, 0.2936,  
0.3255

■ 60.6744, 0.3087,  
0.3283

■ 64.7944, 0.3243,  
0.3309

■ 69.3265, 0.3399,  
0.3332

■ 72.8435, 0.3496,  
0.3354

# Harmonies

## Analogous

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



43.7333, 0.2572, 0.3539



43.7333, 0.2330, 0.3083



43.7333, 0.2287, 0.2734

# Triad

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



43.7333, 0.2330, 0.3083



43.7333, 0.3236, 0.2742



43.7333, 0.3826, 0.4040

# Complementary

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



43.7333, 0.2330, 0.3083



21.1440, 0.4990, 0.3456

# 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.



43.7333, 0.4040, 0.3760



43.7333, 0.2330, 0.3083



43.7333, 0.3691, 0.3035

# Square

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



43.7333, 0.2330, 0.3083



43.7333, 0.2781, 0.2572



43.7333, 0.3994, 0.3396



43.7333, 0.3429, 0.4128



# Rectangle

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



43.7333, 0.2330, 0.3083



43.7333, 0.2370, 0.2599



43.7333, 0.3994, 0.3396



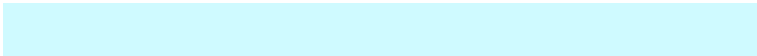
43.7333, 0.3922, 0.3962

# Sweetspot

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



43.7349, 0.2330, 0.3083



88.6369, 0.2838, 0.3235



46.4442, 0.2976, 0.5125



18.6481, 0.2797, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

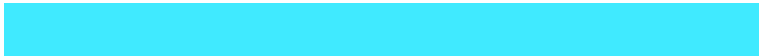


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.7349, 0.2330, 0.3083



67.3058, 0.2237, 0.3033



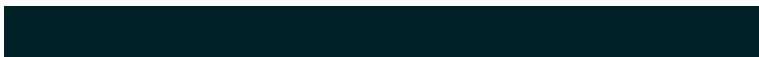
21.6405, 0.2095, 0.2060



12.5113, 0.2983, 0.3264



23.8584, 0.2152, 0.2948



1.2917, 0.2173, 0.3021



# Inverse Universe

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



22.2419, 0.3358, 0.1985



30.8552, 0.3414, 0.1818



36.9010, 0.4392, 0.4220



11.3820, 0.3154, 0.3086



10.2115, 0.3500, 0.1702

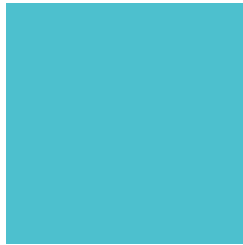


0.5329, 0.3436, 0.1666



# Previews

## White Background



This preview shows how the Yxy color 43.7333, 0.2330, 0.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

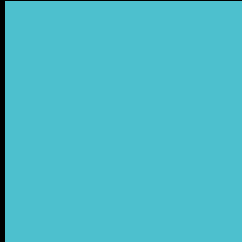
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7333, 0.2330, 0.3083 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 43.7333, 0.2330, 0.3083**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.7333, 0.2330, 0.3083.

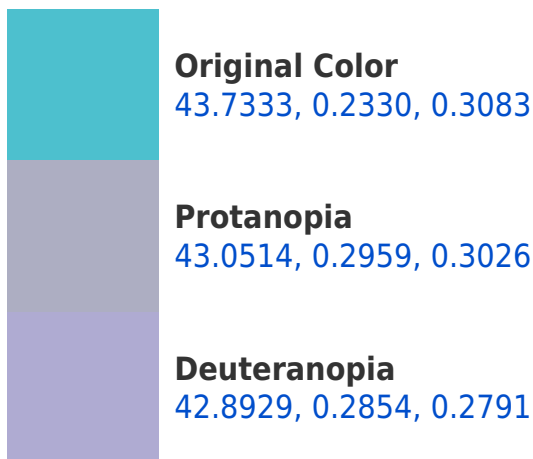


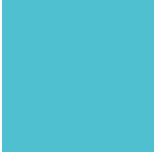
This preview shows how white text looks on a background with the Yxy color 43.7333, 0.2330, 0.3083.

# 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

43.8240, 0.2328, 0.3069

# Trichromacy



## Original Color

43.7333, 0.2330, 0.3083



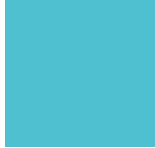
## Protanomaly

42.5282, 0.2668, 0.3051



## Deuteranomaly

42.3326, 0.2602, 0.2878



## Tritanomaly

43.8240, 0.2328, 0.3069

# Monochromacy



## Original Color

43.7333, 0.2330, 0.3083



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

36.9275, 0.2737, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7333, 0.2330, 0.3083 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(77, 192, 206)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 206)  
}
```

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(77, 192, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7333, 0.2330, 0.3083 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(77, 192, 206) }
```

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

```
.border{ border-color:rgb(77, 192, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 192, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 206);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7333, 0.2330, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 192, 206) }
```

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

```
.background{ background-color: rgb(77, 192,  
206) }
```

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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