

# Converting Colors

$Yxy(53.8441, 0.2314, 0.3220)$

Have a look what the booklet for  
Yxy(53.8441, 0.2314, 0.3220)  
contains.

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# Color

**Yxy(53.8087, 0.2315, 0.3219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42D5DA
RGB	66, 213, 218
RGB Percent	26%, 84%, 85%
CMY	0.7407, 0.1647, 0.1452
CMYK	0.70, 0.02, 0.00, 0.15
HSL	182°, 67%, 56%
HSV	182°, 70%, 85%
XYZ	38.6975, 53.8087, 74.6535
YIQ	169.6170, -89.2170, -29.6090

# Conversions

## Conversions Part 2

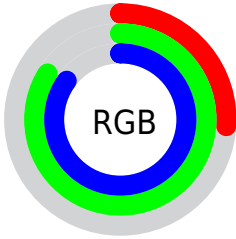
Format	Color
<b>RYB</b>	66, 141, 218
Decimal	4380122
CIELab	78.35, -36.10, -13.68
CIELCh	78, 38.606, 200.761
Yxy	53.8087, 0.2315, 0.3219
Android (android.graphics.Color)	4282570202 (0xFF42D5DA)
YUV	169.6170, 23.8528, -90.8721
Hunter-Lab	73.3544, -34.2041, -8.9919

# Details

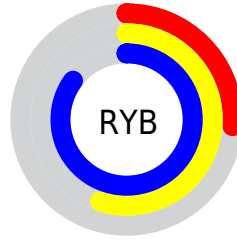
The Yxy color **53.8087, 0.2315, 0.3219** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.8117, 0.5425, 0.3343**, and the grayscale version is **39.9254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **27.0981, 0.2221, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **52.8331, 0.2266, 0.3208**, and if you desaturate by 10%, it is **55.0784, 0.2383, 0.3230**.

# Distribution



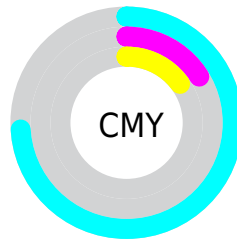
- Red (26%)
- Green (84%)
- Blue (85%)



- Red (26%)
- Yellow (55%)
- Blue (85%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)




- Cyan (74%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8087, 0.2315, 0.3219 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 53.8087, 0.2315, 0.3219 by changing the saturation by 10% instead.





 53.8087, 0.2315,  
0.3219


 53.8087, 0.2315,  
0.3219


401.3801, 0.2700,  
0.3265


 38.4487, 0.2226,  
0.3205


 95.7933, 0.2450,  
0.3238

 26.3312, 0.2115,  
0.3185


 123.1867, 0.2502,  
0.3245

 17.0715, 0.1974,  
0.3156


 155.3601, 0.2547,  
0.3250

 10.2855, 0.1790,  
0.3111

 192.6979, 0.2585,  
0.3254

 5.5887, 0.1541,  
0.3038

235.5843, 0.2619,  
0.3258

 2.5966, 0.1194,  
0.2905

284.4039, 0.2649,

 0.9250, 0.0000,

0.3261

0.2826

339.5411, 0.2676,  
0.3263

0.0000, 0.0000,  
0.0000

53.8087, 0.2315,  
0.3219

53.8087, 0.2315,  
0.3219

52.8331, 0.2266,  
0.3208

55.0784, 0.2383,  
0.3230

52.1107, 0.2235,  
0.3197

56.6654, 0.2471,  
0.3241

51.5840, 0.2219,  
0.3187


58.5975, 0.2576,  
0.3252


51.5677, 0.2218,  
0.3186


60.8977, 0.2698,  
0.3262

63.5872, 0.2833,  
0.3272

 66.6854, 0.2979,  
0.3282

 70.2106, 0.3132,  
0.3290

 74.1798, 0.3290,  
0.3298

 77.2018, 0.3397,  
0.3305

# Harmonies

## Analogous

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



53.8087, 0.2643, 0.3736



53.8087, 0.2315, 0.3219



53.8087, 0.2195, 0.2781

# Triad

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



53.8087, 0.2315, 0.3219



53.8087, 0.3068, 0.2609



53.8087, 0.4005, 0.4027

# Complementary

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



53.8087, 0.2315, 0.3219



19.8117, 0.5425, 0.3343

# 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.



53.8087, 0.4156, 0.3671



53.8087, 0.2315, 0.3219



53.8087, 0.3592, 0.2889

# Square

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



53.8087, 0.2315, 0.3219



53.8087, 0.2601, 0.2478



53.8087, 0.4005, 0.3265



53.8087, 0.3618, 0.4218

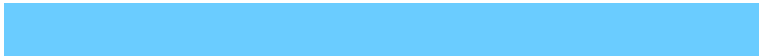


# Rectangle

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



53.8087, 0.2315, 0.3219



53.8087, 0.2238, 0.2590



53.8087, 0.4005, 0.3265



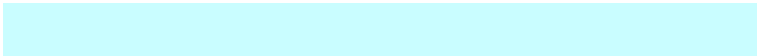
53.8087, 0.4086, 0.3920

# Sweetspot

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



53.8107, 0.2315, 0.3219



90.1071, 0.2812, 0.3271



51.7137, 0.3014, 0.5493



19.0508, 0.2773, 0.3268



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.



53.8107, 0.2315, 0.3219



74.8169, 0.2248, 0.3203



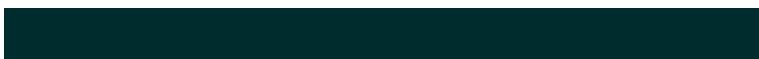
24.8351, 0.2037, 0.2089



14.7526, 0.2982, 0.3282



30.9370, 0.2219, 0.3188



2.0276, 0.2224, 0.3205



# Inverse Universe

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



23.6139, 0.3254, 0.1793



29.6089, 0.3276, 0.1645



35.4149, 0.4685, 0.4153



13.2671, 0.3143, 0.3067



11.7469, 0.3292, 0.1587

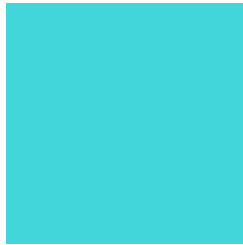


0.7634, 0.3278, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 53.8087, 0.2315, 0.3219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

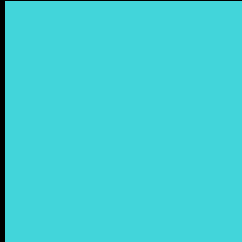
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8087, 0.2315, 0.3219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

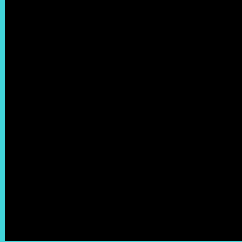
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8087, 0.2315, 0.3219**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8087, 0.2315, 0.3219.

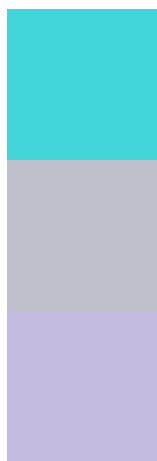


This preview shows how white text looks on a background with the Yxy color 53.8087, 0.2315, 0.3219.

# 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

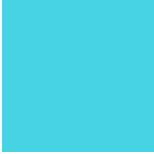
53.8087, 0.2315, 0.3219

### Protanopia

52.8277, 0.3039, 0.3131

### Deuteranopia

53.0840, 0.2927, 0.2866



## **Tritanopia**

53.6234, 0.2278, 0.3045

# Trichromacy



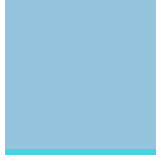
**Original Color**

53.8087, 0.2315, 0.3219



**Protanomaly**

51.5613, 0.2681, 0.3157



**Deuteranomaly**

51.5960, 0.2620, 0.2969



**Tritanomaly**

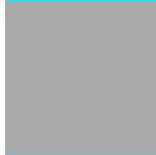
53.8253, 0.2292, 0.3111

# Monochromacy



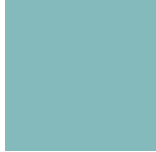
**Original Color**

53.8087, 0.2315, 0.3219



**Achromatopsia**

40.1978, 0.3127, 0.3290



**Achromatomaly**

43.6112, 0.2706, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8087, 0.2315, 0.3219 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(66, 213, 218)` looks like.

```
.text, #text, p{  
  color:rgb(66, 213, 218)  
}
```

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(66, 213, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 213, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8087, 0.2315, 0.3219 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(66, 213, 218) }
```

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

```
.border{ border-color:rgb(66, 213, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 213, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 213, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 213, 218);  
box-shadow:4px 4px 4px 4px rgb(66, 213,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8087, 0.2315, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 213, 218) }
```

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

```
.background{ background-color: rgb(66, 213,  
218) }
```

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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