

Converting Colors

$Y_{xy}(52.6853, 0.2342, 0.3238)$

Have a look what the booklet for
Yxy(52.6853, 0.2342, 0.3238)
contains.

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Color

Yxy(52.8600, 0.2344, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	49D3D6
RGB	73, 211, 214
RGB Percent	29%, 83%, 84%
CMY	0.7143, 0.1725, 0.1607
CMYK	0.66, 0.01, 0.00, 0.16
HSL	181°, 63%, 56%
HSV	181°, 66%, 84%
XYZ	38.1712, 52.8600, 71.8153
YIQ	170.0800, -83.2110, -28.3230

Conversions

Conversions Part 2

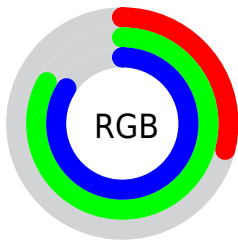
Format	Color
RYB	73, 143, 214
Decimal	4838358
CIELab	77.79, -35.38, -12.38
CIELCh	78, 37.486, 199.288
Yxy	52.8600, 0.2344, 0.3246
Android (android.graphics.Color)	4283028438 (0xFF49D3D6)
YUV	170.0800, 21.6526, -85.1392
Hunter-Lab	72.7049, -33.5182, -7.6712

Details

The Yxy color **52.8600, 0.2344, 0.3246** 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 **19.9236, 0.5261, 0.3327**, and the grayscale version is **40.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **26.2801, 0.2231, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **51.9416, 0.2289, 0.3239**, and if you desaturate by 10%, it is **54.0702, 0.2418, 0.3253**.

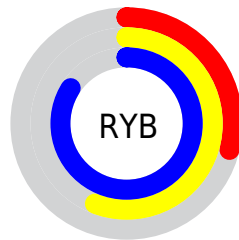
Distribution



Red (29%)

Green (83%)

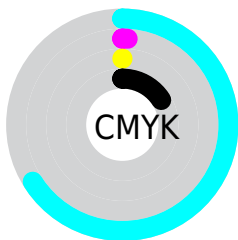
Blue (84%)



Red (29%)

Yellow (56%)

Blue (84%)

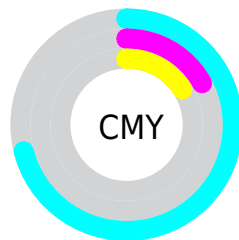


Cyan (66%)

Magenta (1%)

Yellow (0%)

Black (16%)



Cyan (71%)


Magenta (17%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8600, 0.2344, 0.3246 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 52.8600, 0.2344, 0.3246 by changing the saturation by 10% instead.

 52.8600, 0.2344,
0.3246

 52.8600, 0.2344,
0.3246


397.7478, 0.2717,
0.3278


 37.6910, 0.2257,
0.3235


 94.3983, 0.2475,
0.3260

 25.7430, 0.2148,
0.3220


 121.5365, 0.2526,
0.3265

 16.6315, 0.2010,
0.3197


 153.4331, 0.2569,
0.3268

 9.9721, 0.1828,
0.3160

 190.4727, 0.2606,
0.3271

 5.3804, 0.1580,
0.3099

233.0395, 0.2639,
0.3273

 2.4722, 0.1230,
0.2982

281.5180, 0.2668,

 0.8627, 0.0000,

0.3275

0.2939

336.2927, 0.2694,
0.3277

■ 0.0000, 0.0000,
0.0000

■ 52.8600, 0.2344,
0.3246

■ 52.8600, 0.2344,
0.3246

■ 51.9416, 0.2289,
0.3239

■ 54.0702, 0.2418,
0.3253

■ 51.2782, 0.2253,
0.3232

■ 55.5930, 0.2511,
0.3260

■ 50.8333, 0.2234,
0.3225

■ 57.4538, 0.2622,
0.3267

■ 50.6872, 0.2228,
0.3222

■ 59.6740, 0.2748,
0.3274

■ 62.2731, 0.2887,
0.3281

■ 65.2693, 0.3035,
0.3287

■ 68.6795, 0.3191,
0.3292

■ 72.5198, 0.3350,
0.3297

■ 74.7682, 0.3432,
0.3302

Harmonies

Analogous

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



52.8600, 0.2675, 0.3749



52.8600, 0.2344, 0.3246



52.8600, 0.2216, 0.2811

Triad

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



52.8600, 0.2344, 0.3246



52.8600, 0.3045, 0.2613



52.8600, 0.3999, 0.3997

Complementary

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



52.8600, 0.2344, 0.3246



19.9236, 0.5261, 0.3327

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.



52.8600, 0.4132, 0.3645



52.8600, 0.2344, 0.3246



52.8600, 0.3558, 0.2882

Square

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



52.8600, 0.2344, 0.3246



52.8600, 0.2594, 0.2493



52.8600, 0.3969, 0.3247



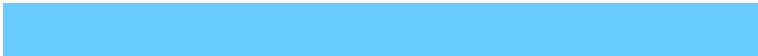
52.8600, 0.3630, 0.4193

Rectangle

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



52.8600, 0.2344, 0.3246



52.8600, 0.2250, 0.2617



52.8600, 0.3969, 0.3247



52.8600, 0.4074, 0.3891

Sweetspot

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



52.8620, 0.2344, 0.3246



90.8889, 0.2826, 0.3278



50.0194, 0.3019, 0.5381



19.2215, 0.2787, 0.3276



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.



52.8620, 0.2344, 0.3246



76.8150, 0.2273, 0.3236



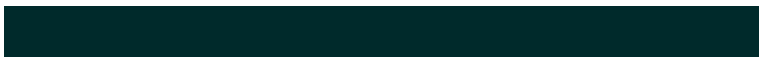
25.3379, 0.2087, 0.2166



14.0605, 0.2983, 0.3285



30.6545, 0.2229, 0.3223



1.8636, 0.2232, 0.3235

Inverse Universe

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



23.7464, 0.3230, 0.1832



30.8044, 0.3246, 0.1669



35.2668, 0.4584, 0.4127



12.6279, 0.3141, 0.3065



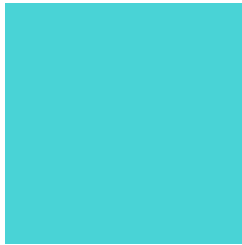
11.4394, 0.3262, 0.1571



0.6915, 0.3253, 0.1565

Previews

White Background



This preview shows how the Yxy color 52.8600, 0.2344, 0.3246 looks on a white background.

Color Contrast Check

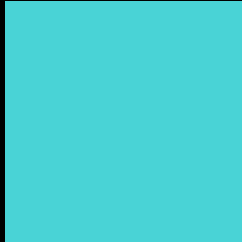
Large Text (above 18pt) WCAG AA × Fail

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 52.8600, 0.2344, 0.3246 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

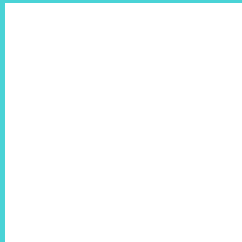
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.8600, 0.2344, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 52.8600, 0.2344, 0.3246.

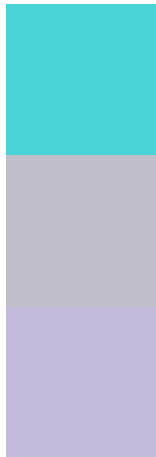


This preview shows how white text looks on a background with the Yxy color 52.8600, 0.2344, 0.3246.

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

52.8600, 0.2344, 0.3246

Protanopia

52.1203, 0.3053, 0.3155

Deuteranopia

51.9680, 0.2962, 0.2898



Tritanopia

52.7542, 0.2304, 0.3057

Trichromacy



Original Color

52.8600, 0.2344, 0.3246



Protanomaly

51.1403, 0.2711, 0.3183



Deuteranomaly

50.6193, 0.2659, 0.3005



Tritanomaly

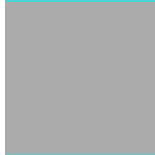
52.9449, 0.2318, 0.3124

Monochromacy



Original Color

52.8600, 0.2344, 0.3246



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.3940, 0.2732, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8600, 0.2344, 0.3246 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(73, 211, 214)` looks like.

```
.text, #text, p{  
    color:rgb(73, 211, 214)  
}
```

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(73, 211, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 211, 214) }
```

Border

The CSS property to change the border of an element to Yxy 52.8600, 0.2344, 0.3246 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(73, 211, 214) }
```

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

```
.border{ border-color:rgb(73, 211, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 211, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 211, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 211, 214);  
box-shadow:4px 4px 4px 4px rgb(73, 211,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8600, 0.2344, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 211, 214) }
```

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

```
.background{ background-color: rgb(73, 211,  
214) }
```

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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