

Converting Colors

$Y_{xy}(53.2166, 0.2274, 0.3251)$

Have a look what the booklet for
Yxy(53.2166, 0.2274, 0.3251)
contains.

Yxy(53.0386, 0.2273, 0.3245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.0386, 0.2273, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	2AD5D8
RGB	42, 213, 216
RGB Percent	16%, 84%, 85%
CMY	0.8345, 0.1647, 0.1529
CMYK	0.80, 0.01, 0.00, 0.15
HSL	181°, 69%, 51%
HSV	181°, 80%, 85%
XYZ	37.1515, 53.0386, 73.2570
YIQ	162.2130, -102.8790, -35.3190

Conversions

Conversions Part 2

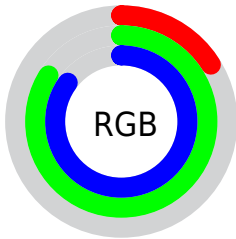
Format	Color
R_{YB}	42, 128, 216
Decimal	2807256
CIE _{Lab}	77.90, -39.15, -13.36
CIE _{LCh}	78, 41.368, 198.839
Yxy	53.0386, 0.2273, 0.3245
Android (android.graphics.Color)	4280997336 (0xFF2AD5D8)
YUV	162.2130, 26.5170, -105.4268
Hunter-Lab	72.8276, -36.3901, -8.6603

Details

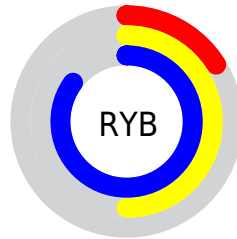
The Yxy color **53.0386, 0.2273, 0.3245** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6655, 0.5913, 0.3318**, and the grayscale version is **36.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **27.0269, 0.2231, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **52.5101, 0.2245, 0.3239**, and if you desaturate by 10%, it is **53.8170, 0.2319, 0.3251**.

Distribution



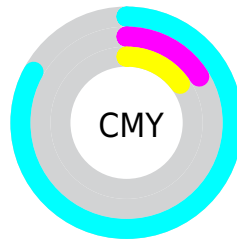
- Red (16%)
- Green (84%)
- Blue (85%)



- Red (16%)
- Yellow (50%)
- Blue (85%)



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)





- Cyan (83%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0386, 0.2273, 0.3245 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 53.0386, 0.2273, 0.3245 by changing the saturation by 10% instead.

 53.0386, 0.2273,
0.3245

 53.0386, 0.2273,
0.3245


398.4332, 0.2678,
0.3280


 37.8336, 0.2179,
0.3233


 94.6612, 0.2415,
0.3260

 25.8536, 0.2062,
0.3216


 121.8475, 0.2470,
0.3265


 16.7141, 0.1914,
0.3190


 153.7964, 0.2517,
0.3269

 10.0309, 0.1721,
0.3149

 190.8923, 0.2558,
0.3272

 5.4194, 0.1460,
0.3080

 233.5195, 0.2593,
0.3275

 2.4954, 0.1099,
0.2948

282.0624, 0.2625,

 0.8743, 0.0000,

0.3277

0.2834

336.9056, 0.2653,
0.3279

■ 0.0000, 0.0000,
0.0000

■ 53.0386, 0.2273,
0.3245

■ 53.0386, 0.2273,
0.3245

■ 52.5101, 0.2245,
0.3239

■ 53.8170, 0.2319,
0.3251

■ 52.1750, 0.2232,
0.3234

■ 54.8739, 0.2384,
0.3257

■ 56.2403, 0.2468,
0.3263

■ 57.9415, 0.2570,
0.3269

■ 60.0003, 0.2689,
0.3274

■ 62.4376, 0.2823,
0.3280

■ 65.2724, 0.2967,
0.3285

■ 68.5226, 0.3120,
0.3290

■ 72.2051, 0.3278,
0.3294

Harmonies

Analogous

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



53.0386, 0.2635, 0.3806



53.0386, 0.2273, 0.3245



53.0386, 0.2132, 0.2765

Triad

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



53.0386, 0.2273, 0.3245



53.0386, 0.3026, 0.2549



53.0386, 0.4087, 0.4055

Complementary

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



53.0386, 0.2273, 0.3245



16.6655, 0.5913, 0.3318

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.



53.0386, 0.4234, 0.3664



53.0386, 0.2273, 0.3245



53.0386, 0.3592, 0.2837

Square

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



53.0386, 0.2273, 0.3245



53.0386, 0.2535, 0.2420



53.0386, 0.4051, 0.3231



53.0386, 0.3682, 0.4285

Rectangle

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



53.0386, 0.2273, 0.3245



53.0386, 0.2168, 0.2553



53.0386, 0.4051, 0.3231



53.0386, 0.4170, 0.3936

Sweetspot

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



53.0406, 0.2273, 0.3245



89.5050, 0.2771, 0.3278



49.8085, 0.3004, 0.5755



18.8871, 0.2723, 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.



53.0406, 0.2273, 0.3245



76.0725, 0.2235, 0.3235



20.4332, 0.1911, 0.1873



14.0690, 0.2983, 0.3285



30.8939, 0.2232, 0.3235



1.8755, 0.2235, 0.3245

Inverse Universe

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



21.0765, 0.3239, 0.1658



28.3718, 0.3252, 0.1572



31.2763, 0.4961, 0.4194



12.6288, 0.3141, 0.3064



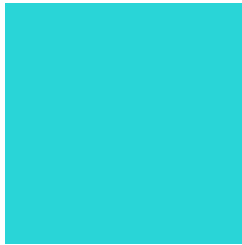
11.4636, 0.3253, 0.1566



0.6927, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 53.0386, 0.2273, 0.3245 looks on a white background.

Color Contrast Check

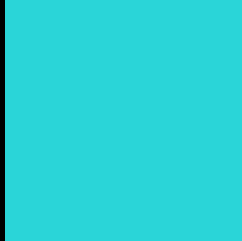
Large Text (above 18pt) WCAG AA × Fail

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 53.0386, 0.2273, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

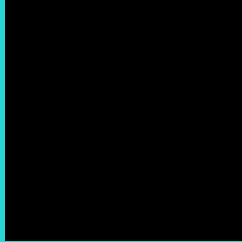
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

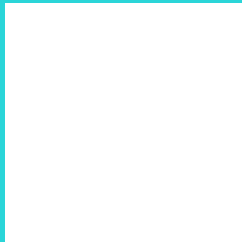
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0386, 0.2273, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 53.0386, 0.2273, 0.3245.

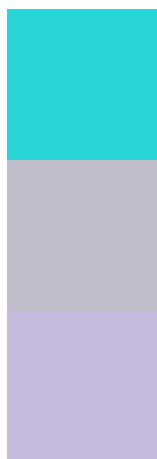


This preview shows how white text looks on a background with the Yxy color 53.0386, 0.2273, 0.3245.

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

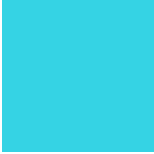
53.0386, 0.2273, 0.3245

Protanopia

52.1675, 0.3046, 0.3142

Deuteranopia

51.9938, 0.2933, 0.2863



Tritanopia

52.9469, 0.2237, 0.3055

Trichromacy



Original Color

53.0386, 0.2273, 0.3245



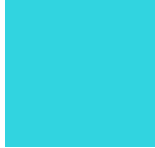
Protanomaly

50.2115, 0.2635, 0.3168



Deuteranomaly

50.1361, 0.2569, 0.2975



Tritanomaly

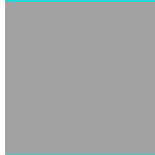
53.1218, 0.2249, 0.3122

Monochromacy



Original Color

53.0386, 0.2273, 0.3245



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.2767, 0.2637, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0386, 0.2273, 0.3245 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(42, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(42, 213, 216)  
}
```

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(42, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 213, 216) }
```

Border

The CSS property to change the border of an element to Yxy 53.0386, 0.2273, 0.3245 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(42, 213, 216) }
```

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

```
.border{ border-color:rgb(42, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(42, 213,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0386, 0.2273, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 213, 216) }
```

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

```
.background{ background-color: rgb(42, 213,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor