

Converting Colors

$Yxy(53.1263, 0.2395, 0.3495)$

Have a look what the booklet for
Yxy(53.1263, 0.2395, 0.3495)
contains.

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Color

Yxy(53.3066, 0.2397, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	40D6C7
RGB	64, 214, 199
RGB Percent	25%, 84%, 78%
CMY	0.7484, 0.1608, 0.2197
CMYK	0.70, 0.00, 0.07, 0.16
HSL	174°, 65%, 55%
HSV	174°, 70%, 84%
XYZ	36.4761, 53.3066, 62.3914
YIQ	167.4400, -84.5850, -36.4650

Conversions

Conversions Part 2

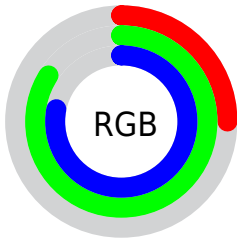
Format	Color
RYB	64, 143, 214
Decimal	4249287
CIELab	78.06, -42.06, -3.95
CIElCh	78, 42.246, 185.370
Yxy	53.3066, 0.2397, 0.3503
Android (android.graphics.Color)	4282439367 (0xFF40D6C7)
YUV	167.4400, 15.5591, -90.7169
Hunter-Lab	73.0114, -38.5921, 0.4421

Details

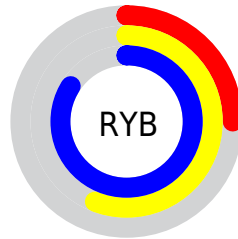
The Yxy color **53.3066, 0.2397, 0.3503** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.5479, 0.5260, 0.3148**, and the grayscale version is **38.8457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **26.4981, 0.2317, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **52.6228, 0.2359, 0.3538**, and if you desaturate by 10%, it is **54.2712, 0.2454, 0.3469**.

Distribution



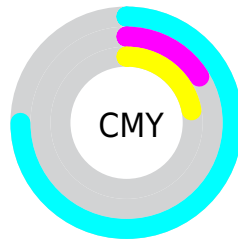
- Red (25%)
- Green (84%)
- Blue (78%)



- Red (25%)
- Yellow (56%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (75%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3066, 0.2397, 0.3503 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 53.3066, 0.2397, 0.3503 by changing the saturation by 10% instead.


 53.3066, 0.2397,
0.3503


 53.3066, 0.2397,
0.3503


399.4603, 0.2748,
0.3405


 38.0476, 0.2314,
0.3525


 95.0554, 0.2521,
0.3469


 26.0196, 0.2210,
0.3552


 122.3139, 0.2569,
0.3456

 16.8383, 0.2076,
0.3586


 154.3411, 0.2610,
0.3444

 10.1193, 0.1898,
0.3628

 191.5213, 0.2645,
0.3434

 5.4781, 0.1651,
0.3681

234.2389, 0.2676,
0.3426

 2.5304, 0.1293,
0.3747

282.8784, 0.2703,

 0.8918, 0.0000,

0.3418


0.4114

337.8240, 0.2727,
0.3411


 0.0000, 0.0000,
0.0000


 53.3066, 0.2397,
0.3503


 53.3066, 0.2397,
0.3503


 52.6228, 0.2359,
0.3538

 54.2712, 0.2454,
0.3469

 52.1802, 0.2340,
0.3572


 55.5387, 0.2531,
0.3435


 51.9208, 0.2335,
0.3606

 57.1356, 0.2624,
0.3402


 59.0843, 0.2734,
0.3371

 61.4048, 0.2856,
0.3342

 64.1160, 0.2988,
0.3315

 67.2352, 0.3127,
0.3290

 70.7788, 0.3270,
0.3268

 74.4266, 0.3402,
0.3248

Harmonies

Analogous

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



53.3066, 0.2847, 0.4038



53.3066, 0.2397, 0.3503



53.3066, 0.2150, 0.2952

Triad

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



53.3066, 0.2397, 0.3503



53.3066, 0.2781, 0.2455



53.3066, 0.4212, 0.3901

Complementary

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



53.3066, 0.2397, 0.3503



18.5479, 0.5260, 0.3148

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.



53.3066, 0.4214, 0.3471



53.3066, 0.2397, 0.3503



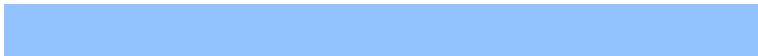
53.3066, 0.3343, 0.2681

Square

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



53.3066, 0.2397, 0.3503



53.3066, 0.2356, 0.2408



53.3066, 0.3886, 0.3040



53.3066, 0.3902, 0.4228

Rectangle

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



53.3066, 0.2397, 0.3503



53.3066, 0.2115, 0.2673



53.3066, 0.3886, 0.3040



53.3066, 0.4250, 0.3763

Sweetspot

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



53.3086, 0.2397, 0.3503



90.8793, 0.2841, 0.3345



50.2402, 0.3098, 0.5476



19.2378, 0.2806, 0.3353



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.



53.3086, 0.2397, 0.3503



77.9018, 0.2348, 0.3554



29.9157, 0.2114, 0.2409



14.0854, 0.2996, 0.3313



31.3936, 0.2334, 0.3601



1.8999, 0.2317, 0.3542

Inverse Universe

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



18.5479, 0.5260, 0.3148



23.1827, 0.5886, 0.3180



28.4885, 0.4902, 0.3926



12.4408, 0.3275, 0.3267



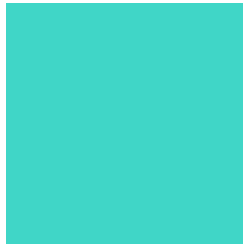
8.6819, 0.6277, 0.3231



0.5307, 0.5954, 0.3053

Previews

White Background



This preview shows how the Yxy color 53.3066, 0.2397, 0.3503 looks on a white background.

Color Contrast Check

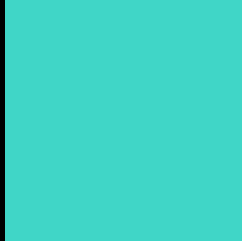
Large Text (above 18pt) WCAG AA × Fail

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 53.3066, 0.2397, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

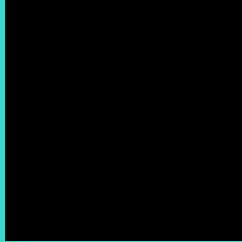
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

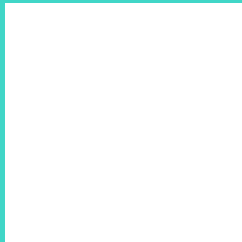
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3066, 0.2397, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 53.3066, 0.2397, 0.3503.

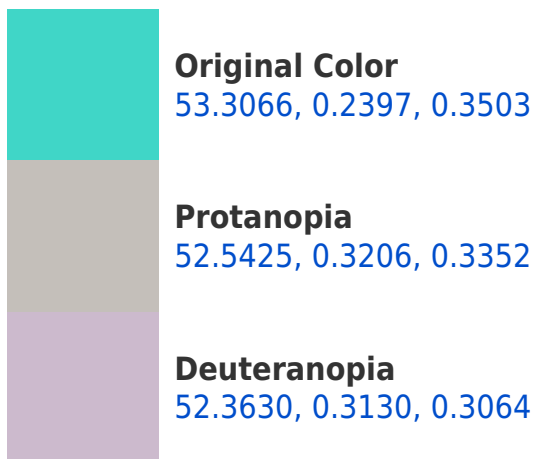


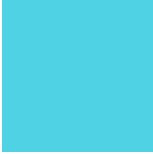
This preview shows how white text looks on a background with the Yxy color 53.3066, 0.2397, 0.3503.

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

53.3015, 0.2303, 0.3058

Trichromacy



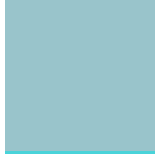
Original Color

53.3066, 0.2397, 0.3503



Protanomaly

50.9043, 0.2806, 0.3397



Deuteranomaly

50.5640, 0.2760, 0.3197



Tritanomaly

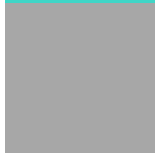
53.0541, 0.2334, 0.3205

Monochromacy



Original Color

53.3066, 0.2397, 0.3503



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.2815, 0.2742, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3066, 0.2397, 0.3503 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(64, 214, 199)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 199)  
}
```

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(64, 214, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 199) }
```

Border

The CSS property to change the border of an element to Yxy 53.3066, 0.2397, 0.3503 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(64, 214, 199) }
```

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

```
.border{ border-color:rgb(64, 214, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 214, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 199);  
box-shadow:4px 4px 4px 4px rgb(64, 214,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3066, 0.2397, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 199) }
```

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

```
.background{ background-color: rgb(64, 214,  
199) }
```

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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