

Converting Colors

$Yxy(53.9836, 0.2388, 0.3490)$

Have a look what the booklet for
Yxy(53.9836, 0.2388, 0.3490)
contains.

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Color

Yxy(53.8747, 0.2388, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	3FD7C9
RGB	63, 215, 201
RGB Percent	25%, 84%, 79%
CMY	0.7530, 0.1569, 0.2116
CMYK	0.71, 0.00, 0.06, 0.16
HSL	174°, 66%, 55%
HSV	174°, 71%, 84%
XYZ	36.8950, 53.8747, 63.7319
YIQ	167.9560, -86.0980, -36.5780

Conversions

Conversions Part 2

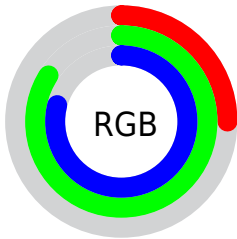
Format	Color
RYB	63, 143, 215
Decimal	4184009
CIELab	78.39, -42.11, -4.56
CIELCh	78, 42.357, 186.181
Yxy	53.8747, 0.2388, 0.3487
Android (android.graphics.Color)	4282374089 (0xFF3FD7C9)
YUV	167.9560, 16.2907, -92.0464
Hunter-Lab	73.3994, -38.7240, -0.1013

Details

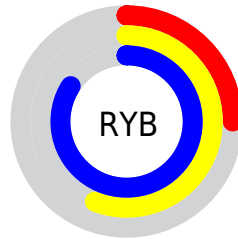
The Yxy color **53.8747, 0.2388, 0.3487** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.5364, 0.5312, 0.3162**, and the grayscale version is **39.0857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **26.9029, 0.2311, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **53.2095, 0.2351, 0.3519**, and if you desaturate by 10%, it is **54.8214, 0.2445, 0.3456**.

Distribution



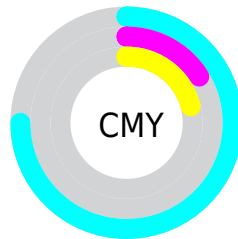
- Red (25%)
- Green (84%)
- Blue (79%)



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



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (75%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8747, 0.2388, 0.3487 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 53.8747, 0.2388, 0.3487 by changing the saturation by 10% instead.


 53.8747, 0.2388,
0.3487


 53.8747, 0.2388,
0.3487


401.6320, 0.2742,
0.3397

 38.5015, 0.2304,
0.3507

 95.8902, 0.2513,
0.3456


 26.3721, 0.2200,
0.3531


 123.3014, 0.2561,
0.3444

 17.1023, 0.2065,
0.3560


 155.4939, 0.2602,
0.3434

 10.3074, 0.1887,
0.3597

 192.8523, 0.2638,
0.3425

 5.6033, 0.1642,
0.3641

235.7609, 0.2669,
0.3416

 2.6054, 0.1287,
0.3692

284.6042, 0.2696,

 0.9294, 0.0000,

0.3409

0.4027

339.7664, 0.2721,
0.3403

■ 0.0000, 0.0000,
0.0000

■ 53.8747, 0.2388,
0.3487

■ 53.8747, 0.2388,
0.3487

■ 53.2095, 0.2351,
0.3519

■ 54.8214, 0.2445,
0.3456

■ 52.7853, 0.2332,
0.3550


■ 56.0723, 0.2520,
0.3425


■ 52.5530, 0.2327,
0.3579


■ 57.6545, 0.2613,
0.3395

■ 59.5906, 0.2722,
0.3366

■ 61.9012, 0.2845,
0.3339

 64.6053, 0.2977,
0.3314

 67.7206, 0.3117,
0.3292

 71.2637, 0.3262,
0.3271

 74.9665, 0.3397,
0.3252

Harmonies

Analogous

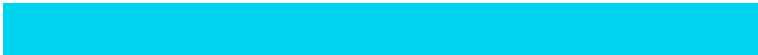
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8747, 0.2834, 0.4025



53.8747, 0.2388, 0.3487



53.8747, 0.2147, 0.2939

Triad

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



53.8747, 0.2388, 0.3487



53.8747, 0.2796, 0.2459



53.8747, 0.4206, 0.3911

Complementary

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



53.8747, 0.2388, 0.3487



18.5364, 0.5312, 0.3162

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.



53.8747, 0.4217, 0.3483



53.8747, 0.2388, 0.3487



53.8747, 0.3358, 0.2689

Square

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



53.8747, 0.2388, 0.3487



53.8747, 0.2366, 0.2407



53.8747, 0.3897, 0.3052



53.8747, 0.3890, 0.4233

Rectangle

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



53.8747, 0.2388, 0.3487



53.8747, 0.2117, 0.2664



53.8747, 0.3897, 0.3052



53.8747, 0.4248, 0.3774

Sweetspot

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



53.8768, 0.2388, 0.3487



90.9071, 0.2838, 0.3341



50.5883, 0.3085, 0.5504



19.2444, 0.2803, 0.3348



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.



53.8768, 0.2388, 0.3487



77.9397, 0.2339, 0.3535



29.1390, 0.2096, 0.2358



14.0873, 0.2995, 0.3311



31.4408, 0.2326, 0.3574



1.9022, 0.2311, 0.3520

Inverse Universe

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



18.5364, 0.5312, 0.3162



22.9695, 0.5941, 0.3195



29.1698, 0.4899, 0.3958



12.4392, 0.3277, 0.3269



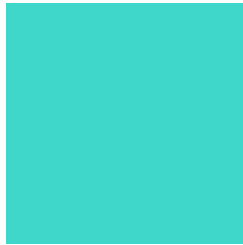
8.6776, 0.6289, 0.3238



0.5299, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 53.8747, 0.2388, 0.3487 looks on a white background.

Color Contrast Check

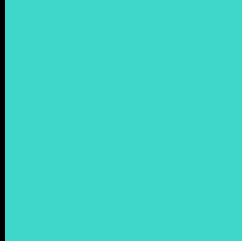
Large Text (above 18pt) WCAG AA × Fail

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 53.8747, 0.2388, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

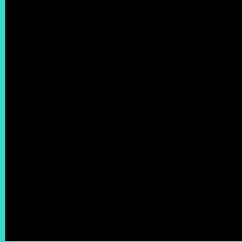
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

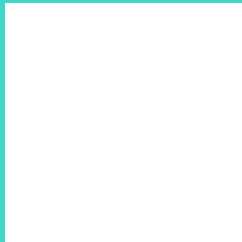
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8747, 0.2388, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 53.8747, 0.2388, 0.3487.

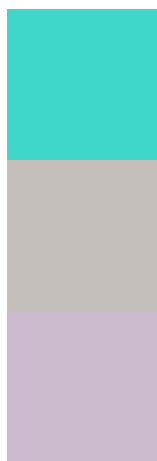


This preview shows how white text looks on a background with the Yxy color 53.8747, 0.2388, 0.3487.

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

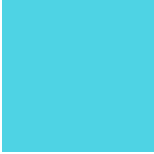
53.8747, 0.2388, 0.3487

Protanopia

52.7198, 0.3207, 0.3339

Deuteranopia

52.8830, 0.3114, 0.3053



Tritanopia

53.8097, 0.2299, 0.3059

Trichromacy



Original Color

53.8747, 0.2388, 0.3487



Protanomaly

51.4102, 0.2800, 0.3397



Deuteranomaly

51.1126, 0.2749, 0.3184



Tritanomaly

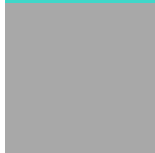
53.5654, 0.2330, 0.3205

Monochromacy



Original Color

53.8747, 0.2388, 0.3487



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.7390, 0.2737, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8747, 0.2388, 0.3487 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(63, 215, 201)` looks like.

```
.text, #text, p{  
    color:rgb(63, 215, 201)  
}
```

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(63, 215, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 215, 201) }
```

Border

The CSS property to change the border of an element to Yxy 53.8747, 0.2388, 0.3487 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(63, 215, 201) }
```

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

```
.border{ border-color:rgb(63, 215, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 215, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 215, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 215, 201);  
box-shadow:4px 4px 4px 4px rgb(63, 215,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8747, 0.2388, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 215, 201) }
```

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

```
.background{ background-color: rgb(63, 215,  
201) }
```

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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