

Converting Colors

$Y_{xy}(51.0335, 0.2587, 0.4374)$

Have a look what the booklet for
Yxy(51.0335, 0.2587, 0.4374)
contains.

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Color

Yxy(51.0335, 0.2587, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	23D792
RGB	35, 215, 146
RGB Percent	14%, 84%, 57%
CMY	0.8625, 0.1569, 0.4274
CMYK	0.84, 0.00, 0.32, 0.16
HSL	157°, 72%, 49%
HSV	157°, 84%, 84%
XYZ	30.1837, 51.0335, 35.4574
YIQ	153.3140, -85.1310, -59.6190

Conversions

Conversions Part 2

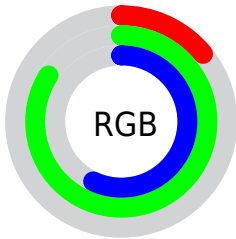
Format	Color
R _Y B	35, 146, 215
Decimal	2348946
CIE Lab	76.70, -58.44, 22.23
CIE LCh	77, 62.525, 159.175
Yxy	51.0335, 0.2587, 0.4374
Android (android.graphics.Color)	4280539026 (0xFF23D792)
YUV	153.3140, -3.6058, -103.7614
Hunter-Lab	71.4377, -49.5966, 20.5784

Details

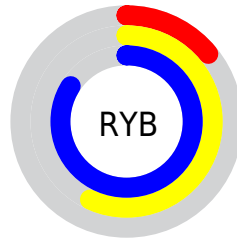
The Yxy color **51.0335, 0.2587, 0.4374** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.6533, 0.4983, 0.2666**, and the grayscale version is **32.0518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2675, 0.2662, 0.3973**, and **25.6225, 0.2625, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **50.5196, 0.2599, 0.4521**, and if you desaturate by 10%, it is **51.8000, 0.2595, 0.4224**.

Distribution



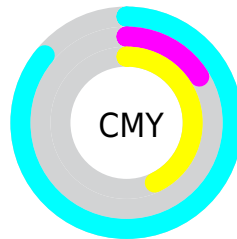
- Red (14%)
- Green (84%)
- Blue (57%)



- Red (14%)
- Yellow (57%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)





- Cyan (86%)
- Magenta (16%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0335, 0.2587, 0.4374 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 51.0335, 0.2587, 0.4374 by changing the saturation by 10% instead.


 51.0335, 0.2587,
0.4374

 51.0335, 0.2587,
0.4374


390.6939, 0.2869,
0.3805


 36.2353, 0.2513,
0.4524


 91.7043, 0.2692,
0.4161

 24.6160, 0.2416,
0.4722


 118.3456, 0.2731,
0.4083


 15.7912, 0.2284,
0.4991


 149.7035, 0.2763,
0.4017

 9.3765, 0.2095,
0.5380

 186.1622, 0.2791,
0.3962

 4.9876, 0.1806,
0.5979

 228.1062, 0.2815,
0.3914

 2.2400, 0.1091,
0.7394

275.9199, 0.2835,


 0.7417, 0.0000,


0.3873


1.0000

329.9877, 0.2853,
0.3837


 0.0000, 0.0000,
0.0000


 51.0335, 0.2587,
0.4374


 51.0335, 0.2587,
0.4374


 50.5196, 0.2599,
0.4521


 51.8000, 0.2595,
0.4224


 50.2831, 0.2614,
0.4612


 52.8501, 0.2623,
0.4075


 54.2162, 0.2670,
0.3930

 55.9248, 0.2733,
0.3790

 57.9995, 0.2810,
0.3658

 60.4619, 0.2897,
0.3537

 63.3315, 0.2991,
0.3425

 66.6269, 0.3090,
0.3325

 70.3652, 0.3191,
0.3234

Harmonies

Analogous

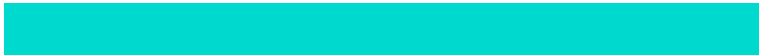
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0335, 0.3370, 0.4845



51.0335, 0.2587, 0.4374



51.0335, 0.1995, 0.3472

Triad

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



51.0335, 0.2587, 0.4374



51.0335, 0.2079, 0.2031



51.0335, 0.4778, 0.3565

Complementary

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



51.0335, 0.2587, 0.4374



16.6533, 0.4983, 0.2666

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.



51.0335, 0.4353, 0.2976



51.0335, 0.2587, 0.4374



51.0335, 0.2700, 0.2141

Square

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



51.0335, 0.2587, 0.4374



51.0335, 0.1750, 0.2186



51.0335, 0.3543, 0.2475



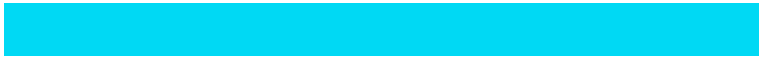
51.0335, 0.4666, 0.4174

Rectangle

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



51.0335, 0.2587, 0.4374



51.0335, 0.1773, 0.2899



51.0335, 0.3543, 0.2475



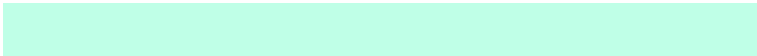
51.0335, 0.4695, 0.3364

Sweetspot

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



51.0355, 0.2587, 0.4374



88.3734, 0.2883, 0.3555



51.8512, 0.3316, 0.5605



18.6330, 0.2852, 0.3597



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.



51.0355, 0.2587, 0.4374



73.9623, 0.2618, 0.4626



45.2004, 0.2204, 0.3025



14.0234, 0.3033, 0.3381



30.0962, 0.2608, 0.4590



1.8312, 0.2539, 0.4339

Inverse Universe

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



16.6533, 0.4983, 0.2666



22.1375, 0.5494, 0.2800



17.1201, 0.5913, 0.3420



12.4988, 0.3232, 0.3201



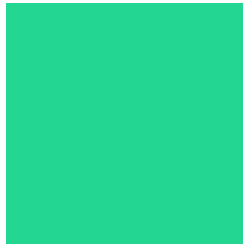
9.0286, 0.5431, 0.2766



0.5605, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 51.0335, 0.2587, 0.4374 looks on a white background.

Color Contrast Check

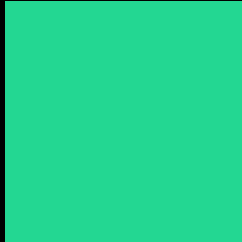
Large Text (above 18pt) WCAG AA × Fail

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 51.0335, 0.2587, 0.4374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

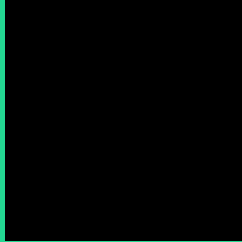
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0335, 0.2587, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 51.0335, 0.2587, 0.4374.



This preview shows how white text looks on a background with the Yxy color 51.0335, 0.2587, 0.4374.

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

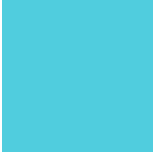
51.0335, 0.2587, 0.4374

Protanopia

49.8184, 0.3686, 0.3955

Deuteranopia

49.7273, 0.3679, 0.3604



Tritanopia

50.6420, 0.2311, 0.3054

Trichromacy



Original Color

51.0335, 0.2587, 0.4374



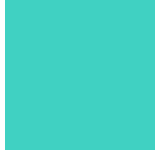
Protanomaly

47.4302, 0.3109, 0.4150



Deuteranomaly

46.9536, 0.3099, 0.3889



Tritanomaly

50.5860, 0.2403, 0.3508

Monochromacy



Original Color

51.0335, 0.2587, 0.4374



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.5677, 0.2788, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0335, 0.2587, 0.4374 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(35, 215, 146)` looks like.

```
.text, #text, p{  
    color:rgb(35, 215, 146)  
}
```

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(35, 215, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 215, 146) }
```

Border

The CSS property to change the border of an element to Yxy 51.0335, 0.2587, 0.4374 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(35, 215, 146) }
```

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

```
.border{ border-color:rgb(35, 215, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 215, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 215, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 215, 146);  
box-shadow:4px 4px 4px 4px rgb(35, 215,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0335, 0.2587, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 215, 146) }
```

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

```
.background{ background-color: rgb(35, 215,  
146) }
```

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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