

Converting Colors

$Yxy(50.7716, 0.2423, 0.3750)$

Have a look what the booklet for
Yxy(50.7716, 0.2423, 0.3750)
contains.

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Color

Yxy(50.9368, 0.2424, 0.3756)

Conversions

Conversions Part 1

Format	Color
Hex	2BD4B5
RGB	43, 212, 181
RGB Percent	17%, 83%, 71%
CMY	0.8321, 0.1686, 0.2903
CMYK	0.80, 0.00, 0.15, 0.17
HSL	169°, 66%, 50%
HSV	169°, 80%, 83%
XYZ	32.8730, 50.9368, 51.8047
YIQ	157.9350, -90.7730, -45.4690

Conversions

Conversions Part 2

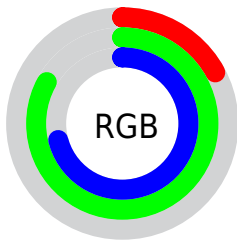
Format	Color
RYB	43, 136, 212
Decimal	2872501
CIELab	76.64, -48.34, 3.59
CIELCh	77, 48.476, 175.752
Yxy	50.9368, 0.2424, 0.3756
Android (android.graphics.Color)	4281062581 (0xFF2BD4B5)
YUV	157.9350, 11.3710, -100.7980
Hunter-Lab	71.3700, -42.6806, 6.9227

Details

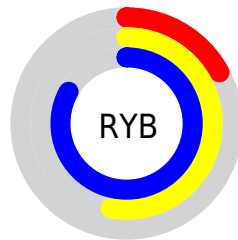
The Yxy color **50.9368, 0.2424, 0.3756** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.2067, 0.5467, 0.3030**, and the grayscale version is **34.1169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4860, 0.2514, 0.3501**, and **25.3354, 0.2406, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **50.4379, 0.2411, 0.3822**, and if you desaturate by 10%, it is **51.6817, 0.2456, 0.3690**.

Distribution



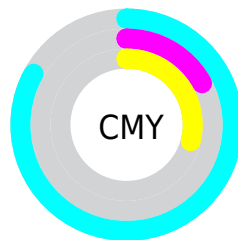
- Red (17%)
- Green (83%)
- Blue (71%)



- Red (17%)
- Yellow (53%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (15%)
- Black (17%)




- Cyan (83%)
- Magenta (17%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9368, 0.2424, 0.3756 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 50.9368, 0.2424, 0.3756 by changing the saturation by 10% instead.


 50.9368, 0.2424,
0.3756


 50.9368, 0.2424,
0.3756

390.3182, 0.2769,
0.3524


 36.1583, 0.2340,
0.3814


 91.5613, 0.2548,
0.3672


 24.5565, 0.2234,
0.3887


 118.1762, 0.2595,
0.3640

 15.7469, 0.2095,
0.3985


 149.5053, 0.2635,
0.3613

 9.3453, 0.1908,
0.4119

 185.9330, 0.2669,
0.3590

 4.9671, 0.1642,
0.4315

 227.8438, 0.2699,
0.3570

 2.2279, 0.1192,
0.4652

275.6220, 0.2725,

 0.7352, 0.0000,

0.3553

0.5723

329.6520, 0.2749,
0.3537

■ 0.0000, 0.0000,
0.0000

■ 50.9368, 0.2424,
0.3756

■ 50.9368, 0.2424,
0.3756

■ 50.4379, 0.2411,
0.3822

■ 51.6817, 0.2456,
0.3690

■ 50.1213, 0.2414,
0.3888

■ 52.6992, 0.2508,
0.3624

■ 50.1155, 0.2414,
0.3889

■ 54.0186, 0.2578,
0.3560

■ 55.6642, 0.2666,
0.3498

■ 57.6574, 0.2767,
0.3440

60.0181, 0.2880,
0.3385

62.7645, 0.3002,
0.3335

65.9136, 0.3130,
0.3289

69.4815, 0.3261,
0.3248

Harmonies

Analogous

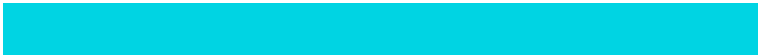
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9368, 0.2992, 0.4324



50.9368, 0.2424, 0.3756



50.9368, 0.2066, 0.3077

Triad

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



50.9368, 0.2424, 0.3756



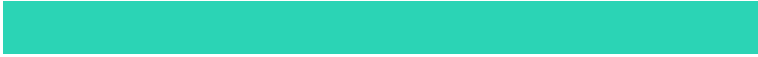
50.9368, 0.2545, 0.2295



50.9368, 0.4429, 0.3822

Complementary

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



50.9368, 0.2424, 0.3756



16.2067, 0.5467, 0.3030

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.



50.9368, 0.4311, 0.3322



50.9368, 0.2424, 0.3756



50.9368, 0.3155, 0.2491

Square

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



50.9368, 0.2424, 0.3756



50.9368, 0.2135, 0.2308



50.9368, 0.3823, 0.2855



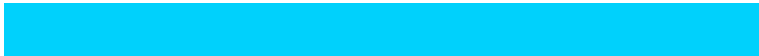
50.9368, 0.4163, 0.4263

Rectangle

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



50.9368, 0.2424, 0.3756



50.9368, 0.1973, 0.2708



50.9368, 0.3823, 0.2855



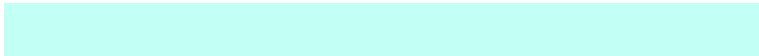
50.9368, 0.4435, 0.3656

Sweetspot

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



50.9388, 0.2424, 0.3756



89.4809, 0.2829, 0.3409



48.8304, 0.3137, 0.5670



18.8819, 0.2788, 0.3429



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.



50.9388, 0.2424, 0.3756



76.2440, 0.2413, 0.3870



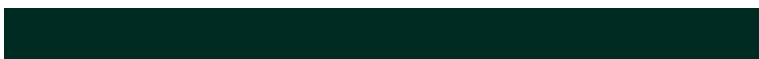
30.8437, 0.2080, 0.2499



14.0670, 0.3007, 0.3333



30.9483, 0.2411, 0.3880



1.8770, 0.2380, 0.3766

Inverse Universe

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



16.2067, 0.5467, 0.3030



21.7582, 0.6057, 0.3135



22.1035, 0.5391, 0.3776



12.4576, 0.3263, 0.3247



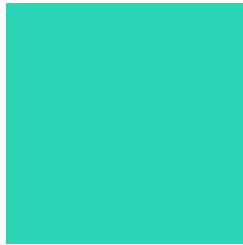
8.7418, 0.6106, 0.3137



0.5386, 0.5640, 0.2880

Previews

White Background



This preview shows how the Yxy color 50.9368, 0.2424, 0.3756 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 50.9368, 0.2424, 0.3756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

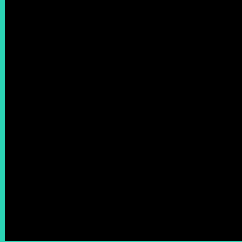
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

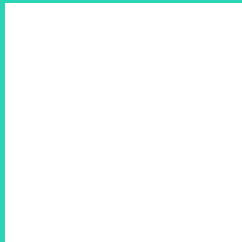
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9368, 0.2424, 0.3756

Background



This preview shows how black text looks on a background with the Yxy color 50.9368, 0.2424, 0.3756.



This preview shows how white text looks on a background with the Yxy color 50.9368, 0.2424, 0.3756.

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

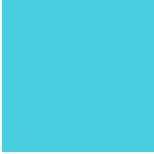
50.9368, 0.2424, 0.3756

Protanopia

49.9699, 0.3346, 0.3531

Deuteranopia

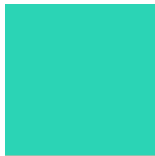
50.0659, 0.3276, 0.3218



Tritanopia

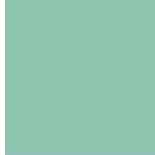
50.8099, 0.2283, 0.3053

Trichromacy



Original Color

50.9368, 0.2424, 0.3756



Protanomaly

48.0724, 0.2865, 0.3615



Deuteranomaly

47.7537, 0.2825, 0.3400



Tritanomaly

50.6579, 0.2328, 0.3288

Monochromacy



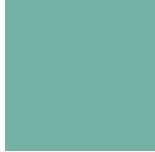
Original Color

50.9368, 0.2424, 0.3756



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.3070, 0.2723, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9368, 0.2424, 0.3756 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(43, 212, 181)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 181)  
}
```

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(43, 212, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 181) }
```

Border

The CSS property to change the border of an element to Yxy 50.9368, 0.2424, 0.3756 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(43, 212, 181) }
```

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

```
.border{ border-color:rgb(43, 212, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 212, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 181);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9368, 0.2424, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 181) }
```

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

```
.background{ background-color: rgb(43, 212,  
181) }
```

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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