

Converting Colors

$Yxy(50.7433, 0.2501, 0.3900)$

Have a look what the booklet for
Yxy(50.7433, 0.2501, 0.3900)
contains.

Yxy(50.8971, 0.2504, 0.3912)	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(50.8971, 0.2504, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	39D4AB
RGB	57, 212, 171
RGB Percent	22%, 83%, 67%
CMY	0.7767, 0.1686, 0.3294
CMYK	0.73, 0.00, 0.19, 0.17
HSL	164°, 64%, 53%
HSV	164°, 73%, 83%
XYZ	32.5783, 50.8971, 46.6297
YIQ	160.9810, -79.2190, -45.6110

Conversions

Conversions Part 2

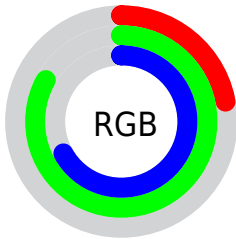
Format	Color
RYB	57, 146, 212
Decimal	3789995
CIELab	76.62, -49.29, 8.93
CIELCh	77, 50.094, 169.730
Yxy	50.8971, 0.2504, 0.3912
Android (android.graphics.Color)	4281980075 (0xFF39D4AB)
YUV	160.9810, 4.9394, -91.1913
Hunter-Lab	71.3422, -43.3371, 11.1873

Details

The Yxy color **50.8971, 0.2504, 0.3912** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.8008, 0.4972, 0.2872**, and the grayscale version is **35.6296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3710, 0.2588, 0.3634**, and **25.1088, 0.2462, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **50.1919, 0.2485, 0.4012**, and if you desaturate by 10%, it is **51.8752, 0.2543, 0.3813**.

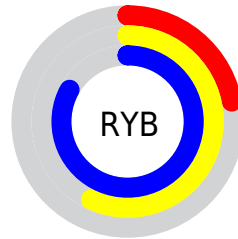
Distribution



Red (22%)

Green (83%)

Blue (67%)



Red (22%)

Yellow (57%)

Blue (83%)

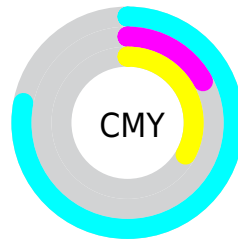


Cyan (73%)

Magenta (0%)

Yellow (19%)

Black (17%)



Cyan (78%)


Magenta (17%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8971, 0.2504, 0.3912 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 50.8971, 0.2504, 0.3912 by changing the saturation by 10% instead.


 50.8971, 0.2504,
0.3912


 50.8971, 0.2504,
0.3912


390.1639, 0.2814,
0.3595

 36.1267, 0.2427,
0.3993


 91.5027, 0.2616,
0.3795


 24.5321, 0.2329,
0.4098


 118.1066, 0.2659,
0.3752

 15.7288, 0.2200,
0.4238


 149.4239, 0.2695,
0.3716

 9.3324, 0.2022,
0.4437

 185.8389, 0.2725,
0.3684

 4.9587, 0.1764,
0.4739

 227.7360, 0.2752,
0.3658

 2.2230, 0.1295,
0.5282

275.4996, 0.2775,

 0.7325, 0.0000,

0.3634

0.8088

329.5141, 0.2796,
0.3613

■ 0.0000, 0.0000,
0.0000

■ 50.8971, 0.2504,
0.3912

■ 50.8971, 0.2504,
0.3912

■ 50.1919, 0.2485,
0.4012

■ 51.8752, 0.2543,
0.3813

■ 49.7188, 0.2485,
0.4111

■ 53.1493, 0.2601,
0.3716

■ 49.4885, 0.2494,
0.4178

■ 54.7464, 0.2676,
0.3624

■ 56.6890, 0.2765,
0.3536

■ 58.9975, 0.2866,
0.3454

■ 61.6907, 0.2975,
0.3379

■ 64.7861, 0.3090,
0.3310

■ 68.3001, 0.3208,
0.3248

■ 72.2482, 0.3328,
0.3193

Harmonies

Analogous

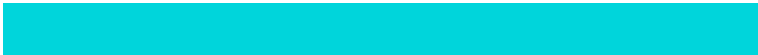
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8971, 0.3117, 0.4436



50.8971, 0.2504, 0.3912



50.8971, 0.2086, 0.3200

Triad

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



50.8971, 0.2504, 0.3912



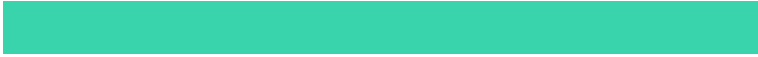
50.8971, 0.2423, 0.2251



50.8971, 0.4481, 0.3731

Complementary

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



50.8971, 0.2504, 0.3912



17.8008, 0.4972, 0.2872

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.



50.8971, 0.4276, 0.3219



50.8971, 0.2504, 0.3912



50.8971, 0.3017, 0.2413

Square

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



50.8971, 0.2504, 0.3912



50.8971, 0.2052, 0.2310



50.8971, 0.3713, 0.2755



50.8971, 0.4276, 0.4210

Rectangle

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



50.8971, 0.2504, 0.3912



50.8971, 0.1955, 0.2789



50.8971, 0.3713, 0.2755



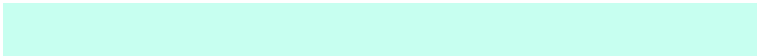
50.8971, 0.4460, 0.3559

Sweetspot

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



50.8991, 0.2504, 0.3912



89.9492, 0.2876, 0.3447



49.9990, 0.3214, 0.5475



19.0319, 0.2847, 0.3469



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.



50.8991, 0.2504, 0.3912



75.7743, 0.2483, 0.4069



36.6054, 0.2177, 0.2742



14.0492, 0.3017, 0.3352



30.5667, 0.2490, 0.4164



1.8570, 0.2443, 0.3994

Inverse Universe

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



17.8008, 0.4972, 0.2872



22.9567, 0.5562, 0.2931



22.1447, 0.5266, 0.3665



12.4742, 0.3250, 0.3229



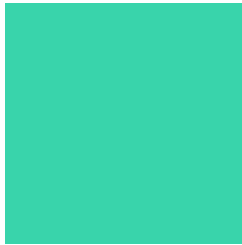
8.8321, 0.5870, 0.3007



0.5464, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 50.8971, 0.2504, 0.3912 looks on a white background.

Color Contrast Check

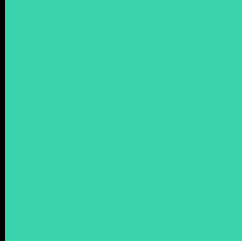
Large Text (above 18pt) WCAG AA × Fail

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 50.8971, 0.2504, 0.3912 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

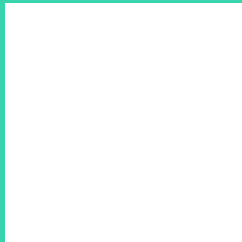
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8971, 0.2504, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 50.8971, 0.2504, 0.3912.

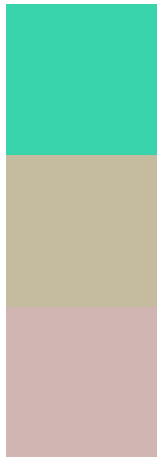


This preview shows how white text looks on a background with the Yxy color 50.8971, 0.2504, 0.3912.

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

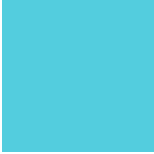
50.8971, 0.2504, 0.3912

Protanopia

49.8796, 0.3445, 0.3658

Deuteranopia

49.8174, 0.3396, 0.3327



Tritanopia

50.7756, 0.2321, 0.3054

Trichromacy



Original Color

50.8971, 0.2504, 0.3912



Protanomaly

48.2352, 0.2976, 0.3757



Deuteranomaly

47.6644, 0.2952, 0.3525



Tritanomaly

50.8794, 0.2387, 0.3359

Monochromacy



Original Color

50.8971, 0.2504, 0.3912



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.5701, 0.2782, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8971, 0.2504, 0.3912 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(57, 212, 171)` looks like.

```
.text, #text, p{  
    color:rgb(57, 212, 171)  
}
```

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(57, 212, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 212, 171) }
```

Border

The CSS property to change the border of an element to Yxy 50.8971, 0.2504, 0.3912 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(57, 212, 171) }
```

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

```
.border{ border-color:rgb(57, 212, 171) }
```

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

Here you see how a box with a 4 pixel rgb(57, 212, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 212, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 212, 171);  
box-shadow:4px 4px 4px 4px rgb(57, 212,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8971, 0.2504, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 212, 171) }
```

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

```
.background{ background-color: rgb(57, 212,  
171) }
```

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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