

Converting Colors

$Y_{xy}(47.4162, 0.2454, 0.3461)$

Have a look what the booklet for
Yxy(47.4162, 0.2454, 0.3461)
contains.

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Color

Yxy(47.2403, 0.2453, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	51C9BE
RGB	81, 201, 190
RGB Percent	32%, 79%, 75%
CMY	0.6821, 0.2118, 0.2549
CMYK	0.60, 0.00, 0.05, 0.21
HSL	175°, 53%, 55%
HSV	175°, 60%, 79%
XYZ	33.5788, 47.2403, 56.0696
YIQ	163.8660, -67.9890, -28.8610

Conversions

Conversions Part 2

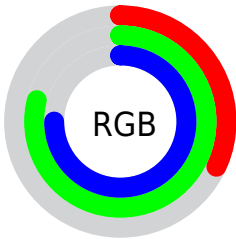
Format	Color
RYB	81, 144, 201
Decimal	5360062
CIELab	74.34, -35.95, -4.54
CIELCh	74, 36.232, 187.203
Yxy	47.2403, 0.2453, 0.3451
Android (android.graphics.Color)	4283550142 (0xFF51C9BE)
YUV	163.8660, 12.8841, -72.6735
Hunter-Lab	68.7316, -33.0741, -0.2553

Details

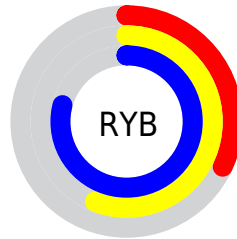
The Yxy color **47.2403, 0.2453, 0.3451** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.0848, 0.4800, 0.3163**, and the grayscale version is **37.0279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9246, 0.2568, 0.3391**, and **22.3639, 0.2299, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **46.4009, 0.2394, 0.3482**, and if you desaturate by 10%, it is **48.3471, 0.2531, 0.3420**.

Distribution



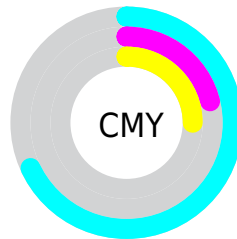
- Red (32%)
- Green (79%)
- Blue (75%)



- Red (32%)
- Yellow (56%)
- Blue (79%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)





- Cyan (68%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2403, 0.2453, 0.3451 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 47.2403, 0.2453, 0.3451 by changing the saturation by 10% instead.


 47.2403, 0.2453,
0.3451

 47.2403, 0.2453,
0.3451


375.7729, 0.2784,
0.3376


 33.2257, 0.2373,
0.3468


 86.0722, 0.2572,
0.3425

 22.2994, 0.2271,
0.3488

 111.6583, 0.2617,
0.3415

 14.0770, 0.2137,
0.3514


 141.8702, 0.2655,
0.3406

 8.1743, 0.1957,
0.3545


 177.0925, 0.2688,
0.3399

 4.2067, 0.1700,
0.3583

217.7096, 0.2717,
0.3392

 1.7898, 0.1283,
0.3635

264.1057, 0.2742,

 0.4808, 0.0000,

0.3386

0.3637

316.6654, 0.2764,
0.3381

0.0000, 0.0000,
0.0000

47.2403, 0.2453,
0.3451

47.2403, 0.2453,
0.3451

46.4009, 0.2394,
0.3482

48.3471, 0.2531,
0.3420

45.7996, 0.2355,
0.3513

49.7370, 0.2626,
0.3391

45.4099, 0.2333,
0.3545

51.4307, 0.2736,
0.3363

45.1803, 0.2327,
0.3575

53.4454, 0.2859,
0.3336

45.1735, 0.2327,
0.3576

55.7971, 0.2992,
0.3312

■ 58.5009, 0.3132,
0.3289

■ 61.5706, 0.3276,
0.3269

■ 65.0196, 0.3422,
0.3251

■ 67.5163, 0.3513,
0.3234

Harmonies

Analogous

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



47.2403, 0.2852, 0.3927



47.2403, 0.2453, 0.3451



47.2403, 0.2238, 0.2967

Triad

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



47.2403, 0.2453, 0.3451



47.2403, 0.2848, 0.2542



47.2403, 0.4089, 0.3869

Complementary

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



47.2403, 0.2453, 0.3451



19.0848, 0.4800, 0.3163

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.



47.2403, 0.4106, 0.3486



47.2403, 0.2453, 0.3451



47.2403, 0.3354, 0.2757

Square

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



47.2403, 0.2453, 0.3451



47.2403, 0.2452, 0.2491



47.2403, 0.3829, 0.3091



47.2403, 0.3802, 0.4144

Rectangle

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



47.2403, 0.2453, 0.3451



47.2403, 0.2215, 0.2722



47.2403, 0.3829, 0.3091



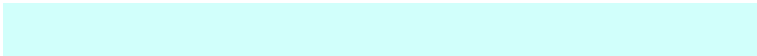
47.2403, 0.4128, 0.3748

Sweetspot

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



47.2421, 0.2453, 0.3451



92.0421, 0.2877, 0.3333



44.6969, 0.3106, 0.5161



19.4652, 0.2839, 0.3340



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.



47.2421, 0.2453, 0.3451



79.0586, 0.2379, 0.3493



28.7591, 0.2231, 0.2532



12.0502, 0.2996, 0.3311



28.4116, 0.2326, 0.3572



1.3503, 0.2308, 0.3507

Inverse Universe

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



19.0848, 0.4800, 0.3163



26.5257, 0.5403, 0.3164



28.7222, 0.4534, 0.3896



10.6525, 0.3275, 0.3269



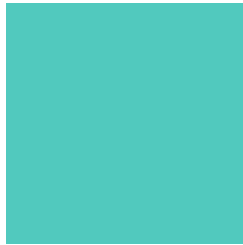
7.8420, 0.6285, 0.3236



0.3769, 0.5929, 0.3040

Previews

White Background



This preview shows how the Yxy color 47.2403, 0.2453, 0.3451 looks on a white background.

Color Contrast Check

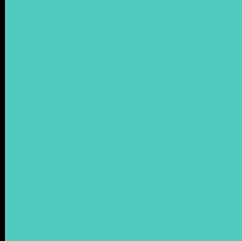
Large Text (above 18pt) WCAG AA × Fail

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 47.2403, 0.2453, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

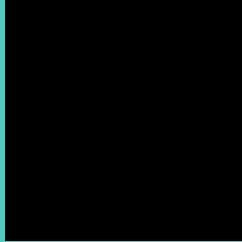
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

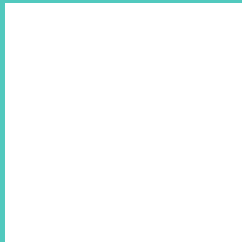
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2403, 0.2453, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 47.2403, 0.2453, 0.3451.

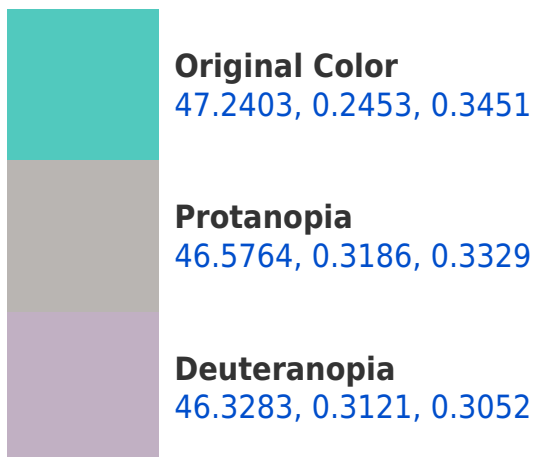


This preview shows how white text looks on a background with the Yxy color 47.2403, 0.2453, 0.3451.

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

46.9607, 0.2366, 0.3062

Trichromacy



Original Color

47.2403, 0.2453, 0.3451



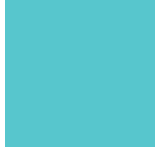
Protanomaly

45.5469, 0.2848, 0.3373



Deuteranomaly

45.2236, 0.2807, 0.3180



Tritanomaly

46.8222, 0.2392, 0.3187

Monochromacy



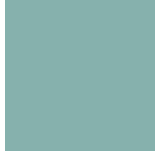
Original Color

47.2403, 0.2453, 0.3451



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.5297, 0.2804, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2403, 0.2453, 0.3451 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(81, 201, 190)` looks like.

```
.text, #text, p{  
    color:rgb(81, 201, 190)  
}
```

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(81, 201, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 201, 190) }
```

Border

The CSS property to change the border of an element to Yxy 47.2403, 0.2453, 0.3451 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(81, 201, 190) }
```

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

```
.border{ border-color:rgb(81, 201, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 201, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 201, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 201, 190);  
box-shadow:4px 4px 4px 4px rgb(81, 201,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2403, 0.2453, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 201, 190) }
```

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

```
.background{ background-color: rgb(81, 201,  
190) }
```

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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