

Converting Colors

$Y_{xy}(47.8024, 0.2436, 0.3407)$

Have a look what the booklet for
Yxy(47.8024, 0.2436, 0.3407)
contains.

Yxy(47.8854, 0.2436, 0.3405)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8854, 0.2436, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	51CAC2
RGB	81, 202, 194
RGB Percent	32%, 79%, 76%
CMY	0.6820, 0.2079, 0.2391
CMYK	0.60, 0.00, 0.04, 0.21
HSL	176°, 53%, 56%
HSV	176°, 60%, 79%
XYZ	34.2581, 47.8854, 58.4891
YIQ	164.9090, -69.5480, -28.1400

Conversions

Conversions Part 2

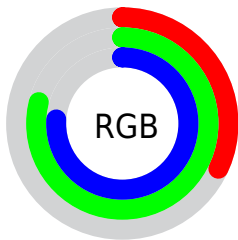
Format	Color
RYB	81, 144, 202
Decimal	5360322
CIELab	74.75, -35.34, -6.11
CIELCh	75, 35.867, 189.809
Yxy	47.8854, 0.2436, 0.3405
Android (android.graphics.Color)	4283550402 (0xFF51CAC2)
YUV	164.9090, 14.3419, -73.5882
Hunter-Lab	69.1993, -32.7297, -1.6740

Details

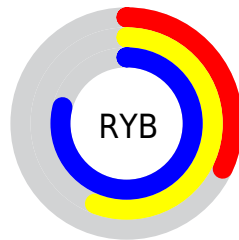
The Yxy color **47.8854, 0.2436, 0.3405** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.1745, 0.4859, 0.3200**, and the grayscale version is **37.5470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1729, 0.2550, 0.3345**, and **22.7905, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **47.0631, 0.2376, 0.3427**, and if you desaturate by 10%, it is **48.9773, 0.2515, 0.3383**.

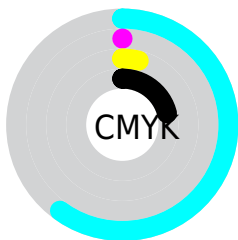
Distribution



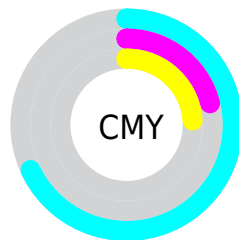
- Red (32%)
- Green (79%)
- Blue (76%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (21%)




- Cyan (68%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8854, 0.2436, 0.3405 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 47.8854, 0.2436, 0.3405 by changing the saturation by 10% instead.


 47.8854, 0.2436,
0.3405


 47.8854, 0.2436,
0.3405


378.3377, 0.2774,
0.3355

 33.7361, 0.2354,
0.3415


 87.0338, 0.2557,
0.3388


 22.6910, 0.2251,
0.3427


 112.8016, 0.2603,
0.3382

 14.3655, 0.2117,
0.3441


 143.2112, 0.2642,
0.3376

 8.3753, 0.1936,
0.3456

 178.6468, 0.2676,
0.3370

 4.3360, 0.1680,
0.3469

219.4929, 0.2705,
0.3366

 1.8633, 0.1285,
0.3472

266.1338, 0.2731,

 0.5261, 0.0000,

0.3362

0.3446

318.9539, 0.2754,
0.3358

0.0000, 0.0000,
0.0000

47.8854, 0.2436,
0.3405

47.8854, 0.2436,
0.3405

47.0631, 0.2376,
0.3427

48.9773, 0.2515,
0.3383

46.4807, 0.2335,
0.3449

50.3547, 0.2612,
0.3362

46.1111, 0.2312,
0.3471

52.0386, 0.2724,
0.3342

45.9011, 0.2304,
0.3493

54.0466, 0.2850,
0.3323

45.8985, 0.2304,
0.3493

56.3947, 0.2986,
0.3306

■ 59.0982, 0.3129,
0.3290

■ 62.1713, 0.3277,
0.3275

■ 65.6273, 0.3428,
0.3262

■ 67.9549, 0.3515,
0.3250

Harmonies

Analogous

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



47.8854, 0.2817, 0.3882



47.8854, 0.2436, 0.3405



47.8854, 0.2242, 0.2936

Triad

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



47.8854, 0.2436, 0.3405



47.8854, 0.2893, 0.2565



47.8854, 0.4061, 0.3891

Complementary

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



47.8854, 0.2436, 0.3405



19.1745, 0.4859, 0.3200

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.



47.8854, 0.4102, 0.3518



47.8854, 0.2436, 0.3405



47.8854, 0.3396, 0.2789

Square

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



47.8854, 0.2436, 0.3405



47.8854, 0.2488, 0.2499



47.8854, 0.3852, 0.3127



47.8854, 0.3759, 0.4146

Rectangle

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



47.8854, 0.2436, 0.3405



47.8854, 0.2231, 0.2704



47.8854, 0.3852, 0.3127



47.8854, 0.4107, 0.3774

Sweetspot

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



47.8872, 0.2436, 0.3405



92.1165, 0.2871, 0.3320



44.9644, 0.3082, 0.5182



19.4837, 0.2832, 0.3326



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.



47.8872, 0.2436, 0.3405



79.3396, 0.2361, 0.3434



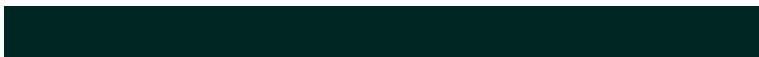
27.7013, 0.2213, 0.2462



12.7138, 0.2992, 0.3305



29.5423, 0.2303, 0.3490



1.5280, 0.2291, 0.3447

Inverse Universe

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



19.1745, 0.4859, 0.3200



26.4499, 0.5462, 0.3204



30.0566, 0.4504, 0.3947



11.2255, 0.3280, 0.3275



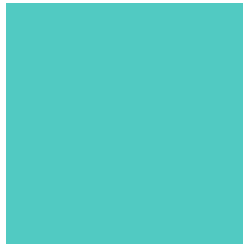
8.1040, 0.6322, 0.3256



0.4224, 0.6068, 0.3116

Previews

White Background



This preview shows how the Yxy color 47.8854, 0.2436, 0.3405 looks on a white background.

Color Contrast Check

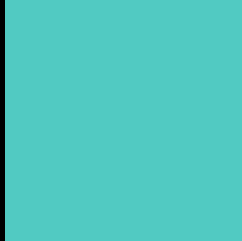
Large Text (above 18pt) WCAG AA × Fail

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 47.8854, 0.2436, 0.3405 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

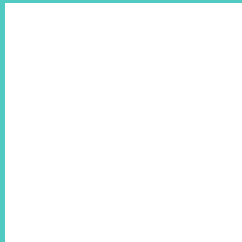
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8854, 0.2436, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 47.8854, 0.2436, 0.3405.

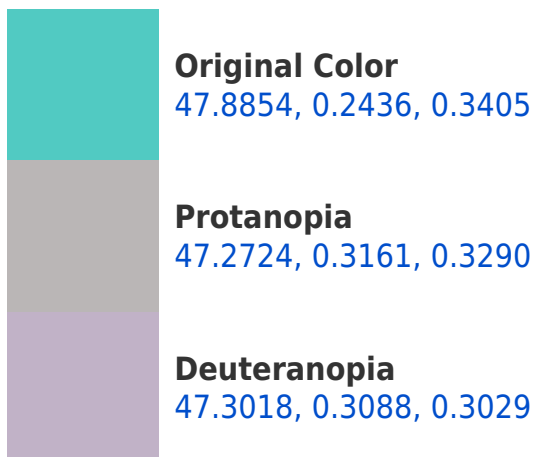


This preview shows how white text looks on a background with the Yxy color 47.8854, 0.2436, 0.3405.

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

47.9268, 0.2359, 0.3064

Trichromacy



Original Color

47.8854, 0.2436, 0.3405



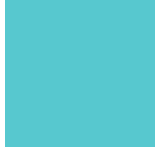
Protanomaly

46.2363, 0.2829, 0.3331



Deuteranomaly

46.2473, 0.2782, 0.3154



Tritanomaly

47.8398, 0.2389, 0.3188

Monochromacy



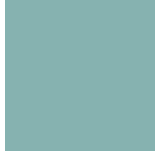
Original Color

47.8854, 0.2436, 0.3405



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.0437, 0.2784, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8854, 0.2436, 0.3405 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, 202, 194)` looks like.

```
.text, #text, p{  
    color:rgb(81, 202, 194)  
}
```

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, 202, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 202, 194) }
```

Border

The CSS property to change the border of an element to Yxy 47.8854, 0.2436, 0.3405 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, 202, 194) }
```

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

```
.border{ border-color:rgb(81, 202, 194) }
```

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

Here you see how a box with a 4 pixel rgb(81, 202, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 202, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 202, 194);  
box-shadow:4px 4px 4px 4px rgb(81, 202,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8854, 0.2436, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 202, 194) }
```

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

```
.background{ background-color: rgb(81, 202,  
194) }
```

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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