

Converting Colors

$Y_{xy}(47.5891, 0.2454, 0.3461)$

Have a look what the booklet for
Yxy(47.5891, 0.2454, 0.3461)
contains.

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Color

Yxy(47.7081, 0.2456, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	51CABE
RGB	81, 202, 190
RGB Percent	32%, 79%, 75%
CMY	0.6824, 0.2078, 0.2550
CMYK	0.60, 0.00, 0.06, 0.21
HSL	174°, 53%, 55%
HSV	174°, 60%, 79%
XYZ	33.8059, 47.7081, 56.1320
YIQ	164.4530, -68.2640, -29.3840

Conversions

Conversions Part 2

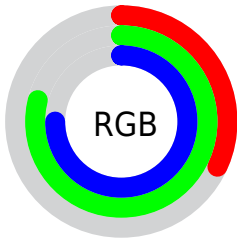
Format	Color
RYB	81, 145, 202
Decimal	5360318
CIELab	74.64, -36.43, -4.09
CIELCh	75, 36.661, 186.405
Yxy	47.7081, 0.2456, 0.3466
Android (android.graphics.Color)	4283550398 (0xFF51CABE)
YUV	164.4530, 12.5947, -73.1883
Hunter-Lab	69.0711, -33.5100, 0.1665

Details

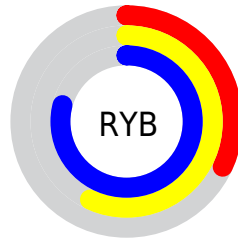
The Yxy color **47.7081, 0.2456, 0.3466** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.2319, 0.4797, 0.3151**, and the grayscale version is **37.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9246, 0.2568, 0.3391**, and **22.6736, 0.2304, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **46.8593, 0.2398, 0.3500**, and if you desaturate by 10%, it is **48.8272, 0.2533, 0.3433**.

Distribution



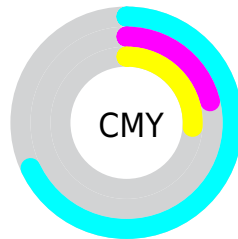
- Red (32%)
- Green (79%)
- Blue (75%)



- Red (32%)
- Yellow (57%)
- Blue (79%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)





- Cyan (68%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7081, 0.2456, 0.3466 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 47.7081, 0.2456, 0.3466 by changing the saturation by 10% instead.


 47.7081, 0.2456,
0.3466

 47.7081, 0.2456,
0.3466


377.6339, 0.2785,
0.3384

 33.5958, 0.2376,
0.3485


 86.7696, 0.2574,
0.3437

 22.5832, 0.2275,
0.3508


 112.4876, 0.2619,
0.3426

 14.2861, 0.2143,
0.3537


 142.8430, 0.2657,
0.3417

 8.3199, 0.1964,
0.3573

 178.2201, 0.2690,
0.3408

 4.3003, 0.1709,
0.3619

219.0034, 0.2718,
0.3401

 1.8429, 0.1301,
0.3683

265.5772, 0.2743,

 0.5137, 0.0000,

0.3394

0.3780

318.3259, 0.2766,
0.3389

0.0000, 0.0000,
0.0000

47.7081, 0.2456,
0.3466

47.7081, 0.2456,
0.3466

46.8593, 0.2398,
0.3500

48.8272, 0.2533,
0.3433

46.2509, 0.2360,
0.3534

50.2324, 0.2627,
0.3400

45.8559, 0.2340,
0.3568

51.9447, 0.2736,
0.3370

45.6207, 0.2334,
0.3602

53.9817, 0.2858,
0.3341

45.6187, 0.2334,
0.3602

56.3595, 0.2990,
0.3314

■ 59.0934, 0.3128,
0.3290

■ 62.1975, 0.3272,
0.3268

■ 65.6853, 0.3416,
0.3248

■ 68.0602, 0.3499,
0.3229

Harmonies

Analogous

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



47.7081, 0.2862, 0.3944



47.7081, 0.2456, 0.3466



47.7081, 0.2234, 0.2975

Triad

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



47.7081, 0.2456, 0.3466



47.7081, 0.2833, 0.2533



47.7081, 0.4102, 0.3863

Complementary

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



47.7081, 0.2456, 0.3466



19.2319, 0.4797, 0.3151

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.



47.7081, 0.4110, 0.3476



47.7081, 0.2456, 0.3466



47.7081, 0.3342, 0.2745

Square

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



47.7081, 0.2456, 0.3466



47.7081, 0.2438, 0.2486



47.7081, 0.3824, 0.3079



47.7081, 0.3818, 0.4146

Rectangle

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



47.7081, 0.2456, 0.3466



47.7081, 0.2207, 0.2725



47.7081, 0.3824, 0.3079



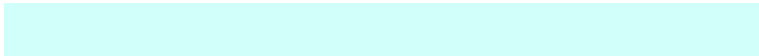
47.7081, 0.4138, 0.3740

Sweetspot

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



47.7099, 0.2456, 0.3466



92.0197, 0.2879, 0.3336



45.1700, 0.3105, 0.5170



19.4596, 0.2841, 0.3345



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.



47.7099, 0.2456, 0.3466



78.9752, 0.2384, 0.3511



28.9933, 0.2228, 0.2528



12.7071, 0.2997, 0.3313



29.3606, 0.2333, 0.3597



1.5204, 0.2314, 0.3531

Inverse Universe

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



19.2319, 0.4797, 0.3151



26.5496, 0.5384, 0.3152



28.9571, 0.4542, 0.3897



11.2315, 0.3275, 0.3267



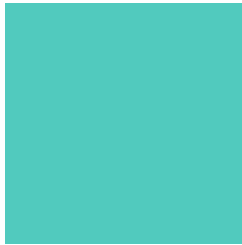
8.1188, 0.6275, 0.3230



0.4252, 0.5916, 0.3032

Previews

White Background



This preview shows how the Yxy color 47.7081, 0.2456, 0.3466 looks on a white background.

Color Contrast Check

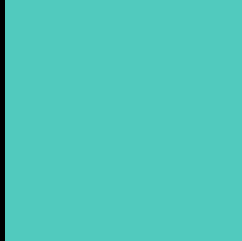
Large Text (above 18pt) WCAG AA × Fail

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 47.7081, 0.2456, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

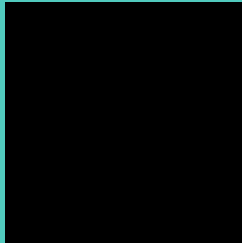
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

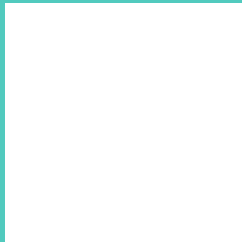
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7081, 0.2456, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 47.7081, 0.2456, 0.3466.

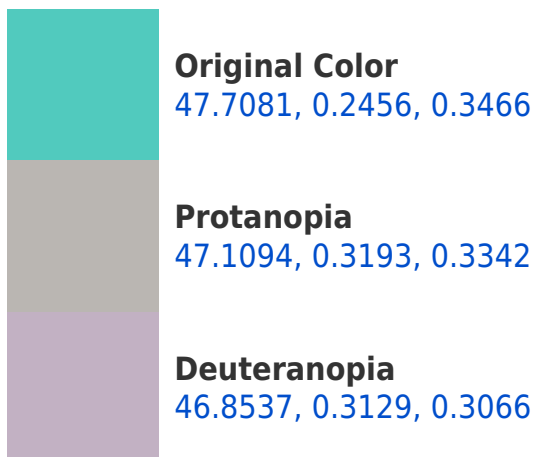


This preview shows how white text looks on a background with the Yxy color 47.7081, 0.2456, 0.3466.

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

47.4674, 0.2365, 0.3063

Trichromacy



Original Color

47.7081, 0.2456, 0.3466



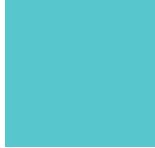
Protanomaly

46.0685, 0.2856, 0.3387



Deuteranomaly

45.7404, 0.2815, 0.3194



Tritanomaly

47.2809, 0.2395, 0.3202

Monochromacy



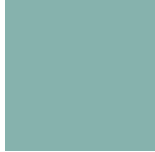
Original Color

47.7081, 0.2456, 0.3466



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.9263, 0.2805, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7081, 0.2456, 0.3466 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(81, 202, 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, 202, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 202, 190) }
```

Border

The CSS property to change the border of an element to Yxy 47.7081, 0.2456, 0.3466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

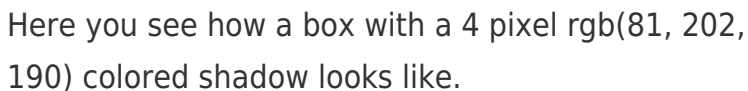
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 202, 190) }
```

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

```
.border{ border-color:rgb(81, 202, 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, 202, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 202, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 202, 190); box-shadow:4px 4px 4px 4px rgb(81, 202, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7081, 0.2456, 0.3466 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, 190) }
```

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

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