

Converting Colors

$Yxy(48.7853, 0.2456, 0.3464)$

Have a look what the booklet for
Yxy(48.7853, 0.2456, 0.3464)
contains.

Yxy(48.7853, 0.2456, 0.3464)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7853, 0.2456, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	52CCCC
RGB	82, 204, 192
RGB Percent	32%, 80%, 75%
CMY	0.6783, 0.2000, 0.2471
CMYK	0.60, 0.00, 0.06, 0.20
HSL	174°, 54%, 56%
HSV	174°, 60%, 80%
XYZ	34.5891, 48.7853, 57.4607
YIQ	166.1540, -68.8600, -29.5960

Conversions

Conversions Part 2

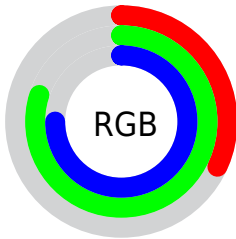
Format	Color
RYB	82, 146, 204
Decimal	5426368
CIELab	75.32, -36.64, -4.18
CIELCh	75, 36.873, 186.506
Yxy	48.7853, 0.2456, 0.3464
Android (android.graphics.Color)	4283616448 (0xFF52CCC0)
YUV	166.1540, 12.7421, -73.8031
Hunter-Lab	69.8465, -33.8352, 0.1163

Details

The Yxy color **48.7853, 0.2456, 0.3464** 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 **19.6875, 0.4795, 0.3152**, and the grayscale version is **38.1798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1370, 0.2563, 0.3368**, and **23.3590, 0.2303, 0.3492** is the 20% darker color. If you saturate the color by 10%, you get **47.9156, 0.2398, 0.3498**, and if you desaturate by 10%, it is **49.9318, 0.2533, 0.3431**.

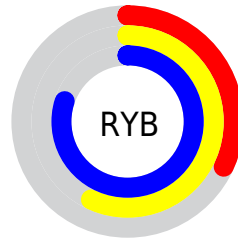
Distribution



Red (32%)

Green (80%)

Blue (75%)



Red (32%)

Yellow (57%)

Blue (80%)

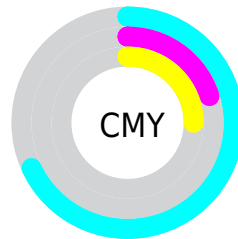


Cyan (60%)

Magenta (0%)

Yellow (6%)

Black (20%)



Cyan (68%)


Magenta (20%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7853, 0.2456, 0.3464 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 48.7853, 0.2456, 0.3464 by changing the saturation by 10% instead.


 48.7853, 0.2456,
0.3464

 48.7853, 0.2456,
0.3464

381.8965, 0.2784,
0.3383

 34.4492, 0.2377,
0.3482


 88.3725, 0.2573,
0.3436

 23.2389, 0.2277,
0.3505

 114.3924, 0.2618,
0.3425

 14.7700, 0.2146,
0.3533

 145.0756, 0.2656,
0.3416

 8.6581, 0.1970,
0.3568

 180.8067, 0.2689,
0.3407

 4.5189, 0.1721,
0.3613

221.9699, 0.2717,
0.3400

 1.9678, 0.1337,
0.3668

268.9497, 0.2742,

 0.5887, 0.0000,

0.3394

0.3868

322.1304, 0.2764,
0.3388

0.0000, 0.0000,
0.0000

48.7853, 0.2456,
0.3464

48.7853, 0.2456,
0.3464

47.9156, 0.2398,
0.3498

49.9318, 0.2533,
0.3431

47.2923, 0.2359,
0.3532

51.3713, 0.2627,
0.3399

46.8876, 0.2339,
0.3565

53.1253, 0.2737,
0.3369

46.6479, 0.2333,
0.3598

55.2118, 0.2859,
0.3340

46.6432, 0.2333,
0.3599

57.6474, 0.2991,
0.3314

■ 60.4476, 0.3130,
0.3290

■ 63.6268, 0.3274,
0.3268

■ 67.1990, 0.3419,
0.3248

■ 69.1021, 0.3480,
0.3229

Harmonies

Analogous

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



48.7853, 0.2861, 0.3941



48.7853, 0.2456, 0.3464



48.7853, 0.2235, 0.2975

Triad

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



48.7853, 0.2456, 0.3464



48.7853, 0.2835, 0.2535



48.7853, 0.4099, 0.3864

Complementary

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



48.7853, 0.2456, 0.3464



19.6875, 0.4795, 0.3152

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.



48.7853, 0.4109, 0.3477



48.7853, 0.2456, 0.3464



48.7853, 0.3343, 0.2747

Square

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



48.7853, 0.2456, 0.3464



48.7853, 0.2440, 0.2487



48.7853, 0.3824, 0.3081



48.7853, 0.3816, 0.4145

Rectangle

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



48.7853, 0.2456, 0.3464



48.7853, 0.2209, 0.2725



48.7853, 0.3824, 0.3081



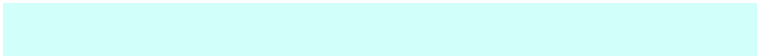
48.7853, 0.4136, 0.3741

Sweetspot

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



48.7872, 0.2456, 0.3464



92.0224, 0.2879, 0.3336



46.1879, 0.3105, 0.5167



19.4603, 0.2841, 0.3344



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.



48.7872, 0.2456, 0.3464



78.9852, 0.2384, 0.3508



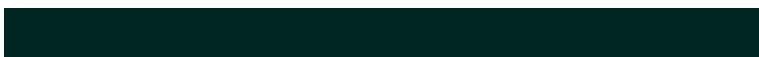
29.6705, 0.2229, 0.2530



12.7073, 0.2996, 0.3313



29.3656, 0.2332, 0.3594



1.5206, 0.2314, 0.3529

Inverse Universe

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



19.6875, 0.4795, 0.3152



26.5467, 0.5386, 0.3154



29.6331, 0.4539, 0.3897



11.2313, 0.3275, 0.3268



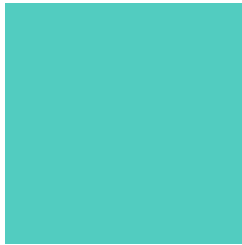
8.1183, 0.6276, 0.3231



0.4251, 0.5920, 0.3035

Previews

White Background



This preview shows how the Yxy color 48.7853, 0.2456, 0.3464 looks on a white background.

Color Contrast Check

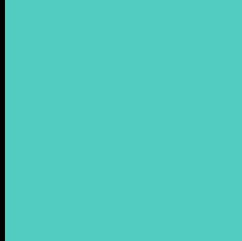
Large Text (above 18pt) WCAG AA × Fail

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 48.7853, 0.2456, 0.3464 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

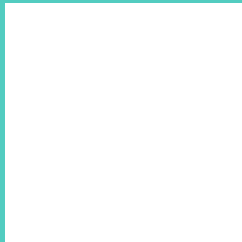
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7853, 0.2456, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 48.7853, 0.2456, 0.3464.

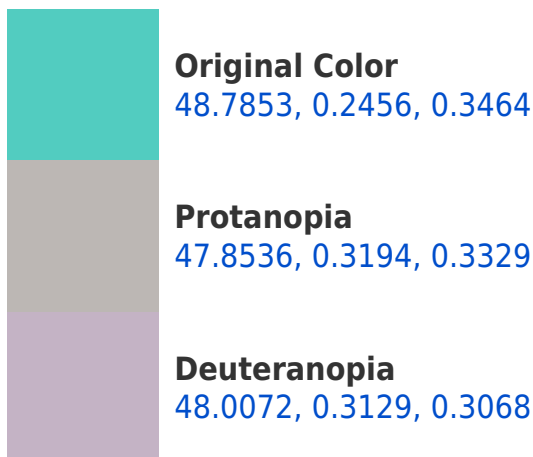


This preview shows how white text looks on a background with the Yxy color 48.7853, 0.2456, 0.3464.

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

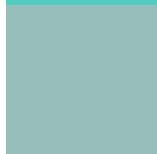
48.5936, 0.2361, 0.3052

Trichromacy



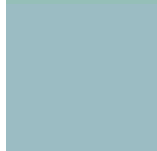
Original Color

48.7853, 0.2456, 0.3464



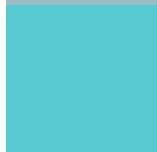
Protanomaly

47.1119, 0.2852, 0.3386



Deuteranomaly

46.8751, 0.2818, 0.3195



Tritanomaly

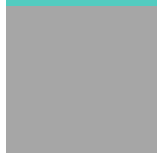
48.4021, 0.2391, 0.3188

Monochromacy



Original Color

48.7853, 0.2456, 0.3464



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.8886, 0.2800, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7853, 0.2456, 0.3464 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(82, 204, 192)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 192)  
}
```

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(82, 204, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 192) }
```

Border

The CSS property to change the border of an element to Yxy 48.7853, 0.2456, 0.3464 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(82, 204, 192) }
```

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

```
.border{ border-color:rgb(82, 204, 192) }
```

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

Here you see how a box with a 4 pixel rgb(82, 204, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 192);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7853, 0.2456, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 192) }
```

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

```
.background{ background-color: rgb(82, 204,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor