

Converting Colors

$Yxy(42.2255, 0.2397, 0.3494)$

Have a look what the booklet for
Yxy(42.2255, 0.2397, 0.3494)
contains.

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Color

Yxy(42.3348, 0.2397, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	3AC1B4
RGB	58, 193, 180
RGB Percent	23%, 76%, 71%
CMY	0.7726, 0.2431, 0.2942
CMYK	0.70, 0.00, 0.07, 0.24
HSL	174°, 54%, 49%
HSV	174°, 70%, 76%
XYZ	29.0514, 42.3348, 49.8128
YIQ	151.1530, -76.2870, -32.6630

Conversions

Conversions Part 2

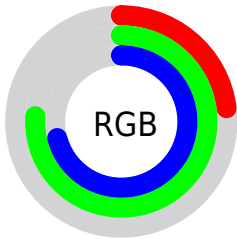
Format	Color
R _Y B	58, 129, 193
Decimal	3850676
CIE Lab	71.10, -38.63, -3.93
CIE LCh	71, 38.830, 185.813
Yxy	42.3348, 0.2397, 0.3493
Android (android.graphics.Color)	4282040756 (0xFF3AC1B4)
YUV	151.1530, 14.2216, -81.6952
Hunter-Lab	65.0652, -34.1644, 0.1543

Details

The Yxy color **42.3348, 0.2397, 0.3493** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.8187, 0.5245, 0.3154**, and the grayscale version is **30.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7124, 0.2530, 0.3454**, and **19.9975, 0.2320, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **41.7871, 0.2358, 0.3526**, and if you desaturate by 10%, it is **43.1035, 0.2455, 0.3460**.

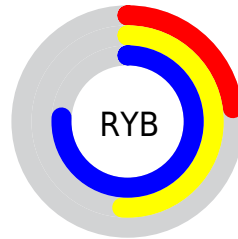
Distribution



Red (23%)

Green (76%)

Blue (71%)



Red (23%)

Yellow (51%)

Blue (76%)

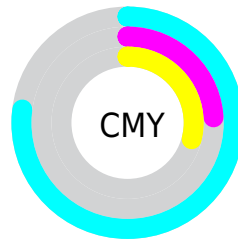


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (24%)



Cyan (77%)


Magenta (24%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3348, 0.2397, 0.3493 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 42.3348, 0.2397, 0.3493 by changing the saturation by 10% instead.


 42.3348, 0.2397,
0.3493


 42.3348, 0.2397,
0.3493


355.8689, 0.2762,
0.3396

 29.3635, 0.2306,
0.3516


 78.7061, 0.2529,
0.3459


 19.3560, 0.2191,
0.3544


 102.8749, 0.2579,
0.3446


 11.9278, 0.2038,
0.3579


 131.5450, 0.2621,
0.3434

 6.6945, 0.1829,
0.3624

 165.1008, 0.2657,
0.3425

 3.2718, 0.1526,
0.3681

 203.9267, 0.2689,
0.3416

 1.2752, 0.0688,
0.3900

248.4071, 0.2716,

 0.1219, 0.0000,

0.3408

0.2302

298.9264, 0.2740,
0.3402

0.0000, 0.0000,
0.0000

42.3348, 0.2397,
0.3493

42.3348, 0.2397,
0.3493

41.7871, 0.2358,
0.3526

43.1035, 0.2455,
0.3460

41.4298, 0.2337,
0.3559

44.1100, 0.2532,
0.3428

41.2147, 0.2331,
0.3591

45.3750, 0.2626,
0.3397

41.2137, 0.2331,
0.3591

46.9158, 0.2735,
0.3367

48.7480, 0.2857,
0.3339

■ 50.8860, 0.2989,
0.3314

■ 53.3434, 0.3128,
0.3290

■ 56.1330, 0.3271,
0.3269

■ 59.2668, 0.3416,
0.3249

Harmonies

Analogous

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



42.3348, 0.2842, 0.4025



42.3348, 0.2397, 0.3493



42.3348, 0.2154, 0.2948

Triad

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



42.3348, 0.2397, 0.3493



42.3348, 0.2792, 0.2462



42.3348, 0.4201, 0.3903

Complementary

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



42.3348, 0.2397, 0.3493



14.8187, 0.5245, 0.3154

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.



42.3348, 0.4208, 0.3477



42.3348, 0.2397, 0.3493



42.3348, 0.3350, 0.2689

Square

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



42.3348, 0.2397, 0.3493



42.3348, 0.2366, 0.2413



42.3348, 0.3887, 0.3048



42.3348, 0.3890, 0.4225

Rectangle

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



42.3348, 0.2397, 0.3493



42.3348, 0.2123, 0.2673



42.3348, 0.3887, 0.3048



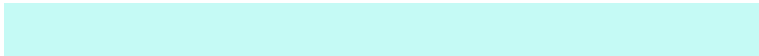
42.3348, 0.4241, 0.3767

Sweetspot

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



42.3364, 0.2397, 0.3493



86.8191, 0.2840, 0.3343



39.8061, 0.3087, 0.5470



18.4227, 0.2805, 0.3351



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3364, 0.2397, 0.3493



74.4539, 0.2345, 0.3544



23.2153, 0.2110, 0.2377



11.4112, 0.2997, 0.3312



27.4168, 0.2330, 0.3587



1.1896, 0.2310, 0.3514

Inverse Universe

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



14.8187, 0.5245, 0.3154



22.1507, 0.5891, 0.3185



23.2316, 0.4859, 0.3953



10.0933, 0.3274, 0.3268



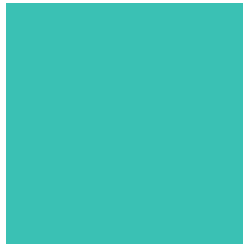
7.5767, 0.6276, 0.3231



0.3328, 0.5883, 0.3014

Previews

White Background



This preview shows how the Yxy color 42.3348, 0.2397, 0.3493 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 42.3348, 0.2397, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

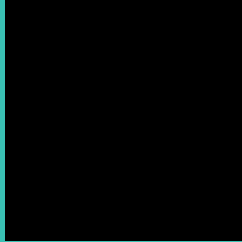
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

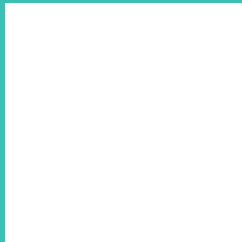
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3348, 0.2397, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 42.3348, 0.2397, 0.3493.

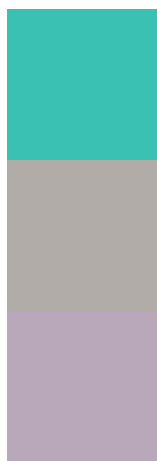


This preview shows how white text looks on a background with the Yxy color 42.3348, 0.2397, 0.3493.

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

42.3348, 0.2397, 0.3493

Protanopia

41.6793, 0.3206, 0.3345

Deuteranopia

41.6984, 0.3129, 0.3068



Tritanopia

42.1426, 0.2303, 0.3050

Trichromacy



Original Color

42.3348, 0.2397, 0.3493



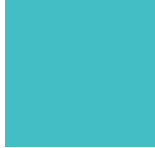
Protanomaly

40.6894, 0.2814, 0.3408



Deuteranomaly

40.2665, 0.2763, 0.3202



Tritanomaly

41.9707, 0.2332, 0.3196

Monochromacy



Original Color

42.3348, 0.2397, 0.3493



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.6630, 0.2739, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3348, 0.2397, 0.3493 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(58, 193, 180)` looks like.

```
.text, #text, p{  
    color:rgb(58, 193, 180)  
}
```

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(58, 193, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 193, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.3348, 0.2397, 0.3493 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(58, 193, 180) }
```

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

```
.border{ border-color:rgb(58, 193, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 193, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 193, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 193, 180);  
box-shadow:4px 4px 4px 4px rgb(58, 193,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3348, 0.2397, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 193, 180) }
```

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

```
.background{ background-color: rgb(58, 193,  
180) }
```

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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