

Converting Colors

$Y_{xy}(43.4412, 0.2398, 0.3474)$

Have a look what the booklet for
Yxy(43.4412, 0.2398, 0.3474)
contains.

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Color

Yxy(43.4412, 0.2398, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	3DC3B7
RGB	61, 195, 183
RGB Percent	24%, 76%, 72%
CMY	0.7610, 0.2353, 0.2822
CMYK	0.69, 0.00, 0.06, 0.24
HSL	175°, 53%, 50%
HSV	175°, 69%, 76%
XYZ	29.9862, 43.4412, 51.6192
YIQ	153.5660, -76.0120, -32.1400

Conversions

Conversions Part 2

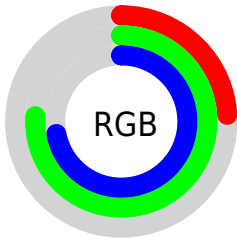
Format	Color
RYB	61, 131, 195
Decimal	4047799
CIELab	71.85, -38.30, -4.48
CIELCh	72, 38.559, 186.667
Yxy	43.4412, 0.2398, 0.3474
Android (android.graphics.Color)	4282237879 (0xFF3DC3B7)
YUV	153.5660, 14.5110, -81.1804
Hunter-Lab	65.9099, -34.1326, -0.2977

Details

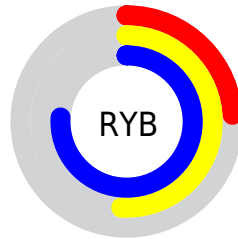
The Yxy color **43.4412, 0.2398, 0.3474** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.4142, 0.5208, 0.3164**, and the grayscale version is **32.0698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2884, 0.2528, 0.3441**, and **20.6615, 0.2313, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **42.8610, 0.2356, 0.3504**, and if you desaturate by 10%, it is **44.2504, 0.2459, 0.3444**.

Distribution



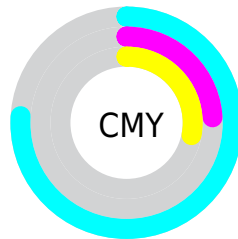
- Red (24%)
- Green (76%)
- Blue (72%)



- Red (24%)
- Yellow (51%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)




- Cyan (76%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4412, 0.2398, 0.3474 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 43.4412, 0.2398, 0.3474 by changing the saturation by 10% instead.


 43.4412, 0.2398,
0.3474


 43.4412, 0.2398,
0.3474


360.4231, 0.2761,
0.3387


 30.2314, 0.2309,
0.3494


 80.3762, 0.2529,
0.3444

 20.0143, 0.2195,
0.3518


 104.8703, 0.2579,
0.3432


 12.4055, 0.2045,
0.3548


 133.8946, 0.2620,
0.3422

 7.0204, 0.1840,
0.3585

 167.8334, 0.2656,
0.3413

 3.4749, 0.1546,
0.3630

 207.0714, 0.2688,
0.3406

 1.3844, 0.0852,
0.3776

251.9927, 0.2715,

 0.2052, 0.0000,

0.3399

0.2767

302.9818, 0.2739,
0.3393

0.0000, 0.0000,
0.0000

43.4412, 0.2398,
0.3474

43.4412, 0.2398,
0.3474

42.8610, 0.2356,
0.3504

44.2504, 0.2459,
0.3444

42.4791, 0.2333,
0.3535

45.3056, 0.2538,
0.3414

42.2546, 0.2325,
0.3565

46.6278, 0.2635,
0.3386

42.2301, 0.2325,
0.3568

48.2343, 0.2747,
0.3358

50.1411, 0.2871,
0.3333

■ 52.3629, 0.3004,
0.3309

■ 54.9134, 0.3145,
0.3287

■ 57.8057, 0.3290,
0.3268

■ 61.0520, 0.3436,
0.3251

Harmonies

Analogous

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



43.4412, 0.2833, 0.4001



43.4412, 0.2398, 0.3474



43.4412, 0.2164, 0.2940

Triad

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



43.4412, 0.2398, 0.3474



43.4412, 0.2811, 0.2478



43.4412, 0.4180, 0.3906

Complementary

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



43.4412, 0.2398, 0.3474



15.4142, 0.5208, 0.3164

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.



43.4412, 0.4196, 0.3488



43.4412, 0.2398, 0.3474



43.4412, 0.3363, 0.2706

Square

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



43.4412, 0.2398, 0.3474



43.4412, 0.2386, 0.2424



43.4412, 0.3888, 0.3064



43.4412, 0.3868, 0.4217

Rectangle

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



43.4412, 0.2398, 0.3474



43.4412, 0.2137, 0.2673



43.4412, 0.3888, 0.3064



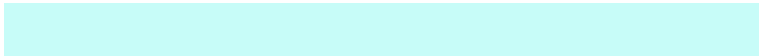
43.4412, 0.4222, 0.3773

Sweetspot

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



43.4429, 0.2398, 0.3474



88.8651, 0.2838, 0.3339



40.8385, 0.3090, 0.5437



19.2465, 0.2802, 0.3346



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.



43.4429, 0.2398, 0.3474



76.4098, 0.2344, 0.3518



24.0928, 0.2122, 0.2395



11.4124, 0.2996, 0.3310



27.4522, 0.2323, 0.3564



1.1908, 0.2305, 0.3497

Inverse Universe

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



15.4142, 0.5208, 0.3164



23.0596, 0.5834, 0.3189



24.1023, 0.4821, 0.3949



10.0922, 0.3275, 0.3270



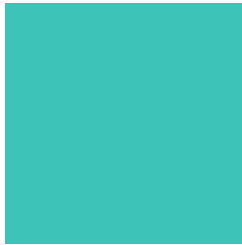
7.5734, 0.6287, 0.3237



0.3323, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 43.4412, 0.2398, 0.3474 looks on a white background.

Color Contrast Check

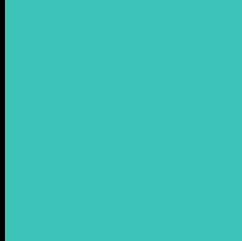
Large Text (above 18pt) WCAG AA × Fail

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 43.4412, 0.2398, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

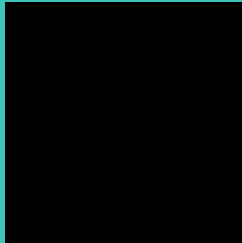
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

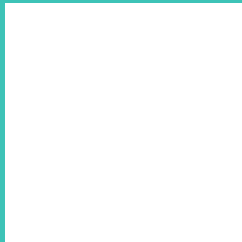
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4412, 0.2398, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 43.4412, 0.2398, 0.3474.

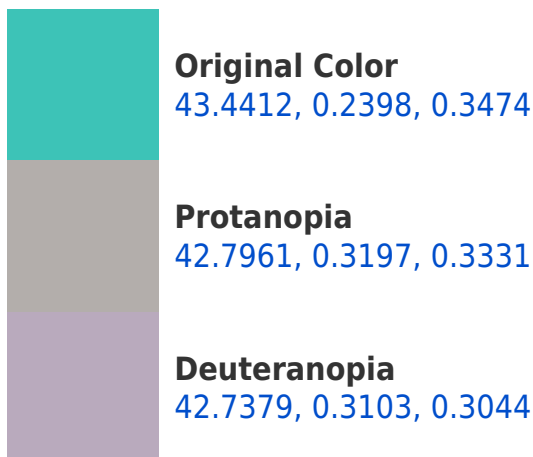


This preview shows how white text looks on a background with the Yxy color 43.4412, 0.2398, 0.3474.

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

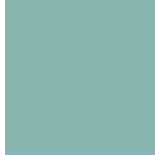
43.2224, 0.2311, 0.3053

Trichromacy



Original Color

43.4412, 0.2398, 0.3474



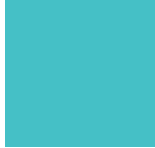
Protanomaly

41.7853, 0.2810, 0.3392



Deuteranomaly

41.4035, 0.2753, 0.3175



Tritanomaly

43.0417, 0.2340, 0.3197

Monochromacy



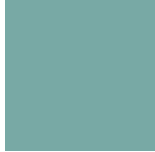
Original Color

43.4412, 0.2398, 0.3474



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.0856, 0.2744, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4412, 0.2398, 0.3474 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(61, 195, 183)` looks like.

```
.text, #text, p{  
    color:rgb(61, 195, 183)  
}
```

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(61, 195, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 195, 183) }
```

Border

The CSS property to change the border of an element to Yxy 43.4412, 0.2398, 0.3474 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(61, 195, 183) }
```

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

```
.border{ border-color:rgb(61, 195, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 195, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 195, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 195, 183); box-shadow:4px 4px 4px 4px rgb(61, 195, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4412, 0.2398, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 195, 183) }
```

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

```
.background{ background-color: rgb(61, 195,  
183) }
```

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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