

Converting Colors

$Y_{xy}(45.2964, 0.2438, 0.3467)$

Have a look what the booklet for
Yxy(45.2964, 0.2438, 0.3467)
contains.

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Color

Yxy(45.3892, 0.2437, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	4AC6BA
RGB	74, 198, 186
RGB Percent	29%, 78%, 73%
CMY	0.7101, 0.2235, 0.2706
CMYK	0.63, 0.00, 0.06, 0.22
HSL	174°, 52%, 53%
HSV	174°, 63%, 78%
XYZ	31.8771, 45.3892, 53.5383
YIQ	159.5560, -70.0520, -30.0200

Conversions

Conversions Part 2

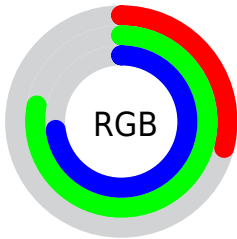
Format	Color
RYB	74, 139, 198
Decimal	4900538
CIELab	73.15, -36.87, -4.15
CIELCh	73, 37.100, 186.430
Yxy	45.3892, 0.2437, 0.3470
Android (android.graphics.Color)	4283090618 (0xFF4AC6BA)
YUV	159.5560, 13.0369, -75.0326
Hunter-Lab	67.3715, -33.4422, 0.0439

Details

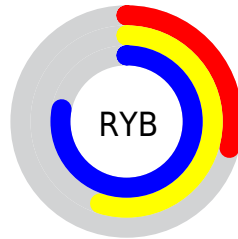
The Yxy color **45.3892, 0.2437, 0.3470** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.5658, 0.4920, 0.3153**, and the grayscale version is **34.8943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1650, 0.2561, 0.3438**, and **21.3384, 0.2306, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **44.6448, 0.2384, 0.3503**, and if you desaturate by 10%, it is **46.3854, 0.2509, 0.3437**.

Distribution



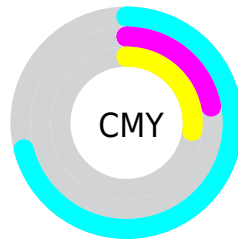
- Red (29%)
- Green (78%)
- Blue (73%)



- Red (29%)
- Yellow (55%)
- Blue (78%)



- Cyan (63%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (71%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3892, 0.2437, 0.3470 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 45.3892, 0.2437, 0.3470 by changing the saturation by 10% instead.


 45.3892, 0.2437,
0.3470

 45.3892, 0.2437,
0.3470


368.3476, 0.2778,
0.3385

 31.7641, 0.2353,
0.3489


 83.3041, 0.2560,
0.3440

 21.1814, 0.2247,
0.3513


 108.3628, 0.2606,
0.3429

 13.2566, 0.2108,
0.3543

 138.0014, 0.2646,
0.3419

 7.6055, 0.1918,
0.3581

 172.6043, 0.2680,
0.3410

 3.8436, 0.1646,
0.3628

212.5560, 0.2709,
0.3403

 1.5865, 0.1134,
0.3722

258.2408, 0.2735,

 0.3484, 0.0000,

0.3396

0.3422

310.0432, 0.2758,
0.3390

0.0000, 0.0000,
0.0000

45.3892, 0.2437,
0.3470

45.3892, 0.2437,
0.3470

44.6448, 0.2384,
0.3503

46.3854, 0.2509,
0.3437

44.1228, 0.2351,
0.3536

47.6491, 0.2598,
0.3406

43.7960, 0.2335,
0.3569

49.2008, 0.2704,
0.3376

43.6413, 0.2331,
0.3593

51.0578, 0.2823,
0.3347

53.2357, 0.2952,
0.3320

■ 55.7491, 0.3090,
0.3296

■ 58.6119, 0.3232,
0.3274

■ 61.8371, 0.3377,
0.3254

■ 65.4369, 0.3522,
0.3237

Harmonies

Analogous

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



45.3892, 0.2853, 0.3964



45.3892, 0.2437, 0.3470



45.3892, 0.2211, 0.2965

Triad

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



45.3892, 0.2437, 0.3470



45.3892, 0.2824, 0.2514



45.3892, 0.4129, 0.3877

Complementary

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



45.3892, 0.2437, 0.3470



17.5658, 0.4920, 0.3153

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.



45.3892, 0.4139, 0.3479



45.3892, 0.2437, 0.3470



45.3892, 0.3348, 0.2731

Square

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



45.3892, 0.2437, 0.3470



45.3892, 0.2420, 0.2465



45.3892, 0.3845, 0.3073



45.3892, 0.3836, 0.4170

Rectangle

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



45.3892, 0.2437, 0.3470



45.3892, 0.2183, 0.2708



45.3892, 0.3845, 0.3073



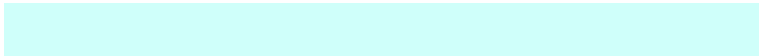
45.3892, 0.4167, 0.3751

Sweetspot

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



45.3909, 0.2437, 0.3470



91.6425, 0.2865, 0.3338



42.8804, 0.3101, 0.5256



19.3867, 0.2829, 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.



45.3909, 0.2437, 0.3470



78.6869, 0.2370, 0.3515



26.8289, 0.2194, 0.2488



12.0492, 0.2997, 0.3312



28.3851, 0.2330, 0.3589



1.3493, 0.2311, 0.3520

Inverse Universe

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



17.5658, 0.4920, 0.3153



25.5117, 0.5525, 0.3161



26.8059, 0.4628, 0.3916



10.6533, 0.3275, 0.3268



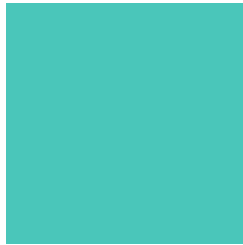
7.8444, 0.6277, 0.3232



0.3773, 0.5905, 0.3027

Previews

White Background



This preview shows how the Yxy color 45.3892, 0.2437, 0.3470 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 45.3892, 0.2437, 0.3470 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

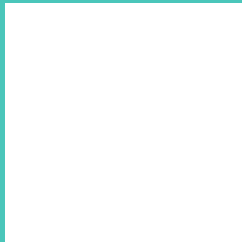
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3892, 0.2437, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 45.3892, 0.2437, 0.3470.

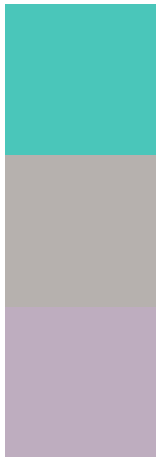


This preview shows how white text looks on a background with the Yxy color 45.3892, 0.2437, 0.3470.

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

45.3892, 0.2437, 0.3470

Protanopia

44.4454, 0.3196, 0.3330

Deuteranopia

44.5959, 0.3129, 0.3061



Tritanopia

45.1680, 0.2347, 0.3058

Trichromacy



Original Color

45.3892, 0.2437, 0.3470

Protanomaly

43.7519, 0.2844, 0.3389

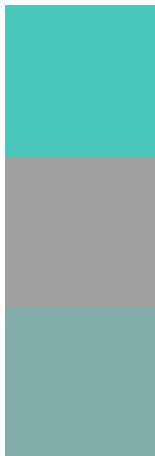
Deuteranomaly

43.4259, 0.2802, 0.3191

Tritanomaly

44.9966, 0.2379, 0.3200

Monochromacy



Original Color

45.3892, 0.2437, 0.3470

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.8038, 0.2791, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3892, 0.2437, 0.3470 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(74, 198, 186)` looks like.

```
.text, #text, p{  
    color:rgb(74, 198, 186)  
}
```

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(74, 198, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 198, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.3892, 0.2437, 0.3470 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(74, 198, 186) }
```

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

```
.border{ border-color:rgb(74, 198, 186) }
```

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

Here you see how a box with a 4 pixel rgb(74, 198, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 198, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 198, 186);  
box-shadow:4px 4px 4px 4px rgb(74, 198,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3892, 0.2437, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 198, 186) }
```

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

```
.background{ background-color: rgb(74, 198,  
186) }
```

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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