

Converting Colors

$Yxy(43.5221, 0.2566, 0.4057)$

Have a look what the booklet for
Yxy(43.5221, 0.2566, 0.4057)
contains.

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Color

Yxy(43.5221, 0.2566, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	3AC697
RGB	58, 198, 151
RGB Percent	23%, 78%, 59%
CMY	0.7723, 0.2235, 0.4078
CMYK	0.71, 0.00, 0.24, 0.22
HSL	160°, 55%, 50%
HSV	160°, 71%, 78%
XYZ	27.5272, 43.5221, 36.2273
YIQ	150.7820, -68.3530, -44.2970

Conversions

Conversions Part 2

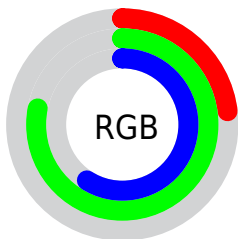
Format	Color
RYB	58, 142, 198
Decimal	3851927
CIELab	71.91, -48.10, 12.98
CIELCh	72, 49.824, 164.901
Yxy	43.5221, 0.2566, 0.4057
Android (android.graphics.Color)	4282042007 (0xFF3AC697)
YUV	150.7820, 0.1075, -81.3698
Hunter-Lab	65.9713, -40.9689, 13.6215

Details

The Yxy color **43.5221, 0.2566, 0.4057** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.0589, 0.4680, 0.2747**, and the grayscale version is **30.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1387, 0.2675, 0.3901**, and **20.5650, 0.2522, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **42.8295, 0.2547, 0.4186**, and if you desaturate by 10%, it is **44.4585, 0.2604, 0.3929**.

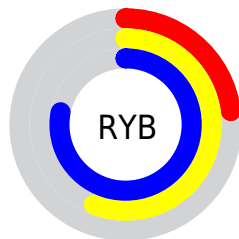
Distribution



Red (23%)

Green (78%)

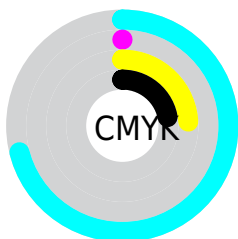
Blue (59%)



Red (23%)

Yellow (56%)

Blue (78%)

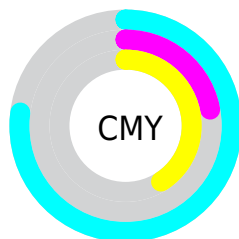


Cyan (71%)

Magenta (0%)

Yellow (24%)

Black (22%)



Cyan (77%)


Magenta (22%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5221, 0.2566, 0.4057 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 43.5221, 0.2566, 0.4057 by changing the saturation by 10% instead.

 43.5221, 0.2566,
0.4057


 43.5221, 0.2566,
0.4057


360.7545, 0.2857,
0.3651


 30.2950, 0.2490,
0.4166


 80.4981, 0.2674,
0.3904

 20.0626, 0.2391,
0.4310


 105.0158, 0.2714,
0.3848

 12.4406, 0.2255,
0.4510


 134.0659, 0.2748,
0.3802

 7.0445, 0.2061,
0.4805

 168.0326, 0.2776,
0.3762

 3.4899, 0.1763,
0.5279

 207.3004, 0.2801,
0.3728

 1.3925, 0.0394,
0.6965

252.2538, 0.2822,

 0.2112, 0.0000,

0.3699

1.0000

303.2770, 0.2841,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 43.5221, 0.2566,
0.4057

■ 43.5221, 0.2566,
0.4057

■ 42.8295, 0.2547,
0.4186

■ 44.4585, 0.2604,
0.3929

■ 42.3475, 0.2549,
0.4314

■ 45.6571, 0.2661,
0.3806


■ 42.0405, 0.2565,
0.4432


■ 47.1403, 0.2733,
0.3687

■ 48.9267, 0.2818,
0.3577

■ 51.0333, 0.2913,
0.3474

 53.4758, 0.3014,
0.3380

 56.2689, 0.3120,
0.3295

 59.4263, 0.3227,
0.3220

 62.9609, 0.3335,
0.3152

Harmonies

Analogous

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



43.5221, 0.3224, 0.4543



43.5221, 0.2566, 0.4057



43.5221, 0.2093, 0.3310

Triad

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



43.5221, 0.2566, 0.4057



43.5221, 0.2313, 0.2202



43.5221, 0.4540, 0.3657

Complementary

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



43.5221, 0.2566, 0.4057



16.0589, 0.4680, 0.2747

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.



43.5221, 0.4258, 0.3129



43.5221, 0.2566, 0.4057



43.5221, 0.2898, 0.2336

Square

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



43.5221, 0.2566, 0.4057



43.5221, 0.1970, 0.2301



43.5221, 0.3624, 0.2664



43.5221, 0.4385, 0.4170

Rectangle

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



43.5221, 0.2566, 0.4057



43.5221, 0.1928, 0.2856



43.5221, 0.3624, 0.2664



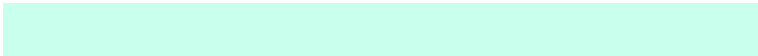
43.5221, 0.4495, 0.3478

Sweetspot

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



43.5238, 0.2566, 0.4057



90.1153, 0.2906, 0.3480



43.8224, 0.3300, 0.5351



19.0543, 0.2879, 0.3508



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.



43.5238, 0.2566, 0.4057



75.3227, 0.2546, 0.4258



36.4263, 0.2248, 0.2959



12.0047, 0.3028, 0.3369



27.3565, 0.2560, 0.4415



1.3084, 0.2487, 0.4151

Inverse Universe

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



16.0589, 0.4680, 0.2747



23.8110, 0.5216, 0.2772



17.9110, 0.5284, 0.3525



10.6947, 0.3238, 0.3213



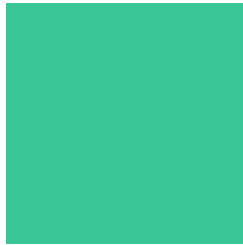
8.0817, 0.5608, 0.2863



0.3962, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 43.5221, 0.2566, 0.4057 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 43.5221, 0.2566, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

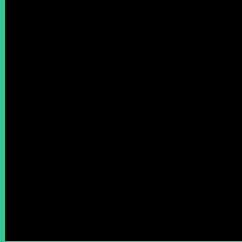
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5221, 0.2566, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 43.5221, 0.2566, 0.4057.

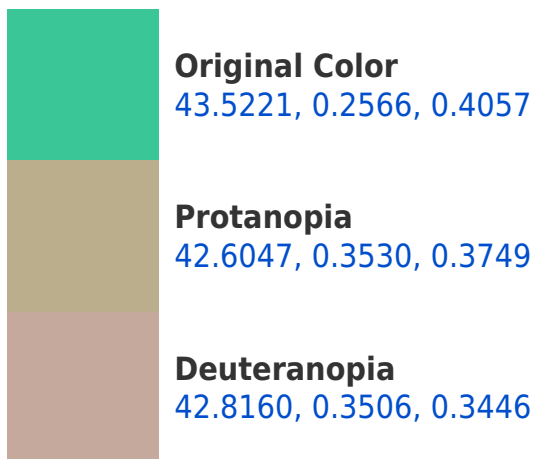


This preview shows how white text looks on a background with the Yxy color 43.5221, 0.2566, 0.4057.

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

43.5568, 0.2349, 0.3069

Trichromacy



Original Color

43.5221, 0.2566, 0.4057



Protanomaly

41.3696, 0.3059, 0.3880



Deuteranomaly

41.2121, 0.3042, 0.3659



Tritanomaly

43.5846, 0.2424, 0.3410

Monochromacy



Original Color

43.5221, 0.2566, 0.4057



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.0215, 0.2823, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5221, 0.2566, 0.4057 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, 198, 151)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 151)  
}
```

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, 198, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 151) }
```

Border

The CSS property to change the border of an element to Yxy 43.5221, 0.2566, 0.4057 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, 198, 151) }
```

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

```
.border{ border-color:rgb(58, 198, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 198, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 151);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5221, 0.2566, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 151) }
```

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

```
.background{ background-color: rgb(58, 198,  
151) }
```

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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