

Converting Colors

$Yxy(51.3550, 0.2587, 0.4082)$

Have a look what the booklet for
Yxy(51.3550, 0.2587, 0.4082)
contains.

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Color

Yxy(51.3550, 0.2587, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	43D5A1
RGB	67, 213, 161
RGB Percent	26%, 84%, 63%
CMY	0.7368, 0.1647, 0.3687
CMYK	0.68, 0.00, 0.24, 0.16
HSL	159°, 63%, 55%
HSV	159°, 68%, 84%
XYZ	32.5466, 51.3550, 41.9068
YIQ	163.4180, -70.3240, -47.1240

Conversions

Conversions Part 2

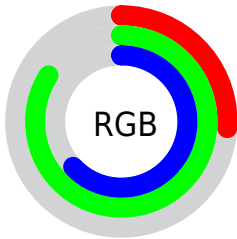
Format	Color
RYB	67, 156, 213
Decimal	4445601
CIELab	76.89, -50.60, 14.68
CIELCh	77, 52.685, 163.820
Yxy	51.3550, 0.2587, 0.4082
Android (android.graphics.Color)	4282635681 (0xFF43D5A1)
YUV	163.4180, -1.1921, -84.5586
Hunter-Lab	71.6624, -44.3405, 15.4920

Details

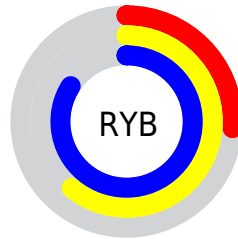
The Yxy color **51.3550, 0.2587, 0.4082** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **19.5095, 0.4565, 0.2716**, and the grayscale version is **36.8803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3834, 0.2661, 0.3756**, and **25.2181, 0.2529, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **50.4763, 0.2566, 0.4220**, and if you desaturate by 10%, it is **52.5309, 0.2627, 0.3946**.

Distribution



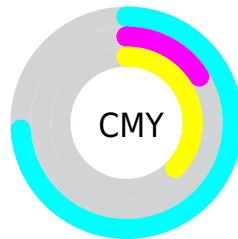
- Red (26%)
- Green (84%)
- Blue (63%)



- Red (26%)
- Yellow (61%)
- Blue (84%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (74%)
- Magenta (16%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3550, 0.2587, 0.4082 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 51.3550, 0.2587, 0.4082 by changing the saturation by 10% instead.


 51.3550, 0.2587,
0.4082


 51.3550, 0.2587,
0.4082


391.9415, 0.2861,
0.3673


 36.4912, 0.2518,
0.4188


 92.1793, 0.2687,
0.3930


 24.8138, 0.2428,
0.4326


 118.9086, 0.2725,
0.3874

 15.9384, 0.2309,
0.4514


 150.3619, 0.2756,
0.3827

 9.4806, 0.2141,
0.4783

 186.9235, 0.2783,
0.3787

 5.0559, 0.1892,
0.5195

228.9779, 0.2807,
0.3753

 2.2801, 0.1415,
0.5948

276.9094, 0.2827,

 0.7632, 0.0000,

0.3723

1.0000

331.1025, 0.2845,
0.3696

■ 0.0000, 0.0000,
0.0000

■ 51.3550, 0.2587,
0.4082

■ 51.3550, 0.2587,
0.4082

■ 50.4763, 0.2566,
0.4220

■ 52.5309, 0.2627,
0.3946

■ 49.8564, 0.2566,
0.4358

■ 54.0254, 0.2686,
0.3814


■ 49.4484, 0.2584,
0.4493


■ 55.8647, 0.2759,
0.3689


■ 49.3944, 0.2587,
0.4514


■ 58.0707, 0.2844,
0.3572

■ 60.6634, 0.2939,
0.3464

 63.6612, 0.3039,
0.3366

 67.0816, 0.3143,
0.3277

 70.9407, 0.3248,
0.3198

 74.5227, 0.3324,
0.3127

Harmonies

Analogous

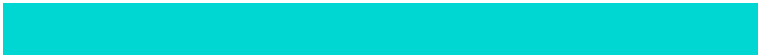
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3550, 0.3249, 0.4552



51.3550, 0.2587, 0.4082



51.3550, 0.2105, 0.3337

Triad

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



51.3550, 0.2587, 0.4082



51.3550, 0.2295, 0.2201



51.3550, 0.4539, 0.3638

Complementary

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



51.3550, 0.2587, 0.4082



19.5095, 0.4565, 0.2716

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.



51.3550, 0.4240, 0.3110



51.3550, 0.2587, 0.4082



51.3550, 0.2873, 0.2327

Square

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



51.3550, 0.2587, 0.4082



51.3550, 0.1962, 0.2309



51.3550, 0.3598, 0.2649



51.3550, 0.4398, 0.4154

Rectangle

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



51.3550, 0.2587, 0.4082



51.3550, 0.1933, 0.2878



51.3550, 0.3598, 0.2649



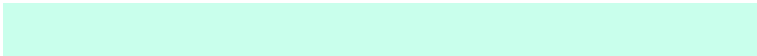
51.3550, 0.4488, 0.3459

Sweetspot

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



51.3570, 0.2587, 0.4082



90.0506, 0.2912, 0.3492



52.0303, 0.3320, 0.5292



19.0388, 0.2886, 0.3522



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.



51.3570, 0.2587, 0.4082



75.4119, 0.2564, 0.4281



44.3836, 0.2270, 0.3006



14.0292, 0.3030, 0.3374



30.1935, 0.2582, 0.4494



1.8366, 0.2517, 0.4260

Inverse Universe

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



19.5095, 0.4565, 0.2716



24.5734, 0.5044, 0.2717



21.2995, 0.5227, 0.3498



12.4932, 0.3236, 0.3207



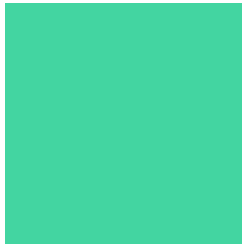
8.9771, 0.5537, 0.2824



0.5570, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 51.3550, 0.2587, 0.4082 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 51.3550, 0.2587, 0.4082 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

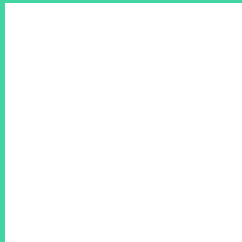
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3550, 0.2587, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 51.3550, 0.2587, 0.4082.



This preview shows how white text looks on a background with the Yxy color 51.3550, 0.2587, 0.4082.

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

51.3550, 0.2587, 0.4082

Protanopia

50.4157, 0.3542, 0.3782

Deuteranopia

50.1710, 0.3527, 0.3448



Tritanopia

51.2119, 0.2353, 0.3056

Trichromacy



Original Color

51.3550, 0.2587, 0.4082



Protanomaly

48.9078, 0.3090, 0.3909



Deuteranomaly

48.4336, 0.3077, 0.3675



Tritanomaly

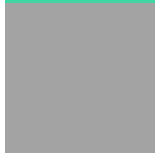
51.1209, 0.2432, 0.3402

Monochromacy



Original Color

51.3550, 0.2587, 0.4082



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.2456, 0.2841, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3550, 0.2587, 0.4082 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(67, 213, 161)` looks like.

```
.text, #text, p{  
    color:rgb(67, 213, 161)  
}
```

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(67, 213, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 213, 161) }
```

Border

The CSS property to change the border of an element to Yxy 51.3550, 0.2587, 0.4082 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(67, 213, 161) }
```

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

```
.border{ border-color:rgb(67, 213, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 213, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 213, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 213, 161); box-shadow:4px 4px 4px 4px rgb(67, 213, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3550, 0.2587, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 213, 161) }
```

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

```
.background{ background-color: rgb(67, 213,  
161) }
```

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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