

Converting Colors

$Y_{xy}(43.4290, 0.2951, 0.5416)$

Have a look what the booklet for
Yxy(43.4290, 0.2951, 0.5416)
contains.

Yxy(43.4261, 0.2952, 0.5415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.4261, 0.2952, 0.5415)

Conversions

Conversions Part 1

Format	Color
Hex	34CA47
RGB	52, 202, 71
RGB Percent	20%, 79%, 28%
CMY	0.7961, 0.2078, 0.7215
CMYK	0.74, 0.00, 0.65, 0.21
HSL	128°, 59%, 50%
HSV	128°, 74%, 79%
XYZ	23.6738, 43.4261, 13.0960
YIQ	142.2160, -47.3490, -72.5410

Conversions

Conversions Part 2

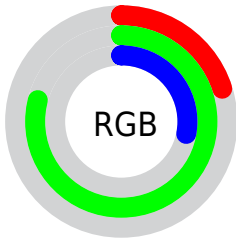
Format	Color
RYB	52, 185, 202
Decimal	3459655
CIELab	71.84, -64.04, 52.73
CIELCh	72, 82.958, 140.534
Yxy	43.4261, 0.2952, 0.5415
Android (android.graphics.Color)	4281649735 (0xFF34CA47)
YUV	142.2160, -35.1095, -79.1194
Hunter-Lab	65.8985, -51.1967, 34.3462

Details

The Yxy color **43.4261, 0.2952, 0.5415** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.4311, 0.3444, 0.1860**, and the grayscale version is **27.2964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0656, 0.3031, 0.4934**, and **20.5753, 0.2987, 0.5954** is the 20% darker color. If you saturate the color by 10%, you get **42.8072, 0.2955, 0.5657**, and if you desaturate by 10%, it is **44.3435, 0.2958, 0.5125**.

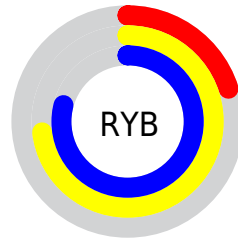
Distribution



Red (20%)

Green (79%)

Blue (28%)



Red (20%)

Yellow (73%)

Blue (79%)

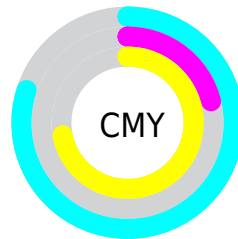


Cyan (74%)

Magenta (0%)

Yellow (65%)

Black (21%)



Cyan (80%)


Magenta (21%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4261, 0.2952, 0.5415 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 43.4261, 0.2952, 0.5415 by changing the saturation by 10% instead.


 43.4261, 0.2952,
0.5415


 43.4261, 0.2952,
0.5415


360.3612, 0.3113,
0.4256


 30.2196, 0.2882,
0.5724


 80.3535, 0.3032,
0.4976

 20.0053, 0.2772,
0.6123

 104.8431, 0.3055,
0.4816

 12.3989, 0.2593,
0.6649


 133.8626, 0.3072,
0.4683

 7.0160, 0.2336,
0.7501

 167.7963, 0.3085,
0.4570

 3.4721, 0.1747,
0.8253

 207.0286, 0.3095,
0.4474

 1.3829, 0.0000,
1.0000

251.9439, 0.3103,

 0.2041, 0.0000,

0.4391

1.0000

302.9266, 0.3109,
0.4319

■ 0.0000, 0.0000,
0.0000

■ 43.4261, 0.2952,
0.5415

■ 43.4261, 0.2952,
0.5415

■ 42.8072, 0.2955,
0.5657

■ 44.3435, 0.2958,
0.5125

■ 42.4440, 0.2967,
0.5836

■ 45.5853, 0.2974,
0.4808

■ 42.3158, 0.2975,
0.5909

■ 47.1803, 0.2996,
0.4486

■ 49.1529, 0.3023,
0.4173

■ 51.5253, 0.3053,
0.3881

■ 54.3178, 0.3084,
0.3616

■ 57.5496, 0.3114,
0.3381

■ 61.2385, 0.3144,
0.3175

■ 65.4012, 0.3172,
0.2996

Harmonies

Analogous

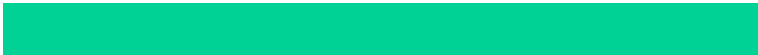
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4261, 0.3991, 0.5337



43.4261, 0.2952, 0.5415



43.4261, 0.2010, 0.4390

Triad

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



43.4261, 0.2952, 0.5415



43.4261, 0.1460, 0.1715



43.4261, 0.5138, 0.3088

Complementary

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



43.4261, 0.2952, 0.5415



18.4311, 0.3444, 0.1860

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.



43.4261, 0.4149, 0.2427



43.4261, 0.2952, 0.5415



43.4261, 0.1992, 0.1679

Square

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



43.4261, 0.2952, 0.5415



43.4261, 0.1278, 0.2109



43.4261, 0.2928, 0.1928



43.4261, 0.5375, 0.3824

Rectangle

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



43.4261, 0.2952, 0.5415



43.4261, 0.1578, 0.3438



43.4261, 0.2928, 0.1928



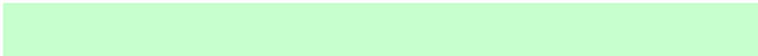
43.4261, 0.4876, 0.2857

Sweetspot

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



43.4279, 0.2952, 0.5415



88.1052, 0.3059, 0.3827



52.7434, 0.3942, 0.4994



18.5988, 0.3051, 0.3903



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.



43.4279, 0.2952, 0.5415



72.0611, 0.2962, 0.5772



45.0018, 0.2594, 0.4228



12.5597, 0.3099, 0.3499



27.2358, 0.2971, 0.5894



1.4129, 0.2894, 0.5620

Inverse Universe

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



18.4311, 0.3444, 0.1860



27.5968, 0.3518, 0.1752



16.1274, 0.4672, 0.2656



11.3783, 0.3157, 0.3090



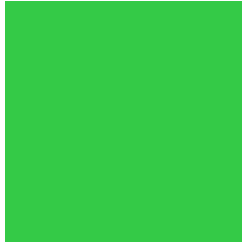
10.1164, 0.3554, 0.1732



0.5289, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 43.4261, 0.2952, 0.5415 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 43.4261, 0.2952, 0.5415 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 43.4261, 0.2952, 0.5415

Background



This preview shows how black text looks on a background with the Yxy color 43.4261, 0.2952, 0.5415.



This preview shows how white text looks on a background with the Yxy color 43.4261, 0.2952, 0.5415.

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

43.4261, 0.2952, 0.5415

Protanopia

42.6209, 0.4199, 0.4621

Deuteranopia

42.3287, 0.4345, 0.4259



Tritanopia

43.1345, 0.2399, 0.3070

Trichromacy



Original Color

43.4261, 0.2952, 0.5415



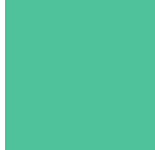
Protanomaly

40.9309, 0.3613, 0.4987



Deuteranomaly

39.8582, 0.3701, 0.4727



Tritanomaly

42.6461, 0.2608, 0.3900

Monochromacy



Original Color

43.4261, 0.2952, 0.5415



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.0631, 0.3027, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4261, 0.2952, 0.5415 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(52, 202, 71)` looks like.

```
.text, #text, p{  
    color:rgb(52, 202, 71)  
}
```

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(52, 202, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 202, 71) }
```

Border

The CSS property to change the border of an element to Yxy 43.4261, 0.2952, 0.5415 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(52, 202, 71) }
```

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

```
.border{ border-color:rgb(52, 202, 71) }
```

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

Here you see how a box with a 4 pixel rgb(52, 202, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 202, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 202, 71);  
box-shadow:4px 4px 4px 4px rgb(52, 202,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4261, 0.2952, 0.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 202, 71) }
```

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

```
.background{ background-color: rgb(52, 202,  
71) }
```

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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