

Converting Colors

Yxy(54.4083, 0.3437, 0.5026)

Have a look what the booklet for
Yxy(54.4083, 0.3437, 0.5026)
contains.

Yxy(54.3240, 0.3438, 0.5019)	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(54.3240, 0.3438, 0.5019)

Conversions

Conversions Part 1

Format	Color
Hex	92D553
RGB	146, 213, 83
RGB Percent	57%, 84%, 33%
CMY	0.4274, 0.1647, 0.6746
CMYK	0.31, 0.00, 0.61, 0.16
HSL	91°, 61%, 58%
HSV	91°, 61%, 84%
XYZ	37.2118, 54.3240, 16.7009
YIQ	178.1470, 1.7980, -54.6340

Conversions

Conversions Part 2

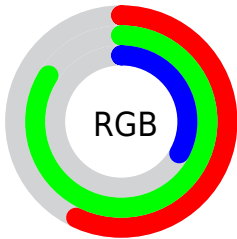
Format	Color
R _Y B	83, 213, 150
Decimal	9622867
CIE Lab	78.65, -42.20, 56.13
CIE LCh	79, 70.223, 126.935
Yxy	54.3240, 0.3438, 0.5019
Android (android.graphics.Color)	4287812947 (0xFF92D553)
YUV	178.1470, -46.9075, -28.1929
Hunter-Lab	73.7048, -38.8631, 38.1587

Details

The Yxy color **54.3240, 0.3438, 0.5019** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.4649, 0.2515, 0.1588**, and the grayscale version is **44.8573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0227, 0.3456, 0.4581**, and **26.6976, 0.3426, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **53.0886, 0.3442, 0.5273**, and if you desaturate by 10%, it is **55.7617, 0.3414, 0.4734**.

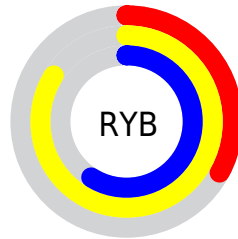
Distribution



Red (57%)

Green (84%)

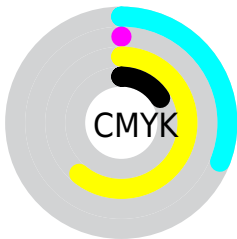
Blue (33%)



Red (33%)

Yellow (84%)

Blue (59%)

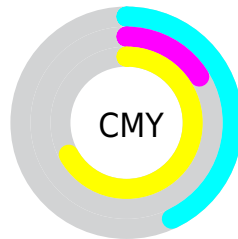


Cyan (31%)

Magenta (0%)

Yellow (61%)

Black (16%)



Cyan (43%)

Magenta (16%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3240, 0.3438, 0.5019 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 54.3240, 0.3438, 0.5019 by changing the saturation by 10% instead.

 54.3240, 0.3438,
0.5019


 54.3240, 0.3438,
0.5019


403.3443, 0.3341,
0.4140

 38.8608, 0.3440,
0.5232


 96.5498, 0.3419,
0.4702


 26.6514, 0.3428,
0.5499


 124.0811, 0.3407,
0.4581


 17.3116, 0.3388,
0.5834


 156.4040, 0.3395,
0.4479

 10.4569, 0.3294,
0.6266

 193.9027, 0.3383,
0.4392

 5.7029, 0.3115,
0.6885

 236.9617, 0.3371,
0.4316

 2.6653, 0.2598,
0.7402

285.9654, 0.3361,

 0.9596, 0.0000,

0.4250

1.0000

341.2981, 0.3351,
0.4191

■ 0.0000, 0.0000,
0.0000

■ 54.3240, 0.3438,
0.5019

■ 54.3240, 0.3438,
0.5019

■ 53.0886, 0.3442,
0.5273

■ 55.7617, 0.3414,
0.4734

■ 52.0360, 0.3425,
0.5482

■ 57.4055, 0.3374,
0.4435

■ 51.1544, 0.3386,
0.5636

■ 59.2679, 0.3322,
0.4134

■ 50.4897, 0.3339,
0.5731

■ 61.3581, 0.3262,
0.3843

■ 63.6846, 0.3199,
0.3568

■ 66.2558, 0.3134,
0.3315

■ 69.0792, 0.3070,
0.3085

■ 72.1622, 0.3008,
0.2877

■ 74.1795, 0.3074,
0.2871

Harmonies

Analogous

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



54.3240, 0.4256, 0.4768



54.3240, 0.3438, 0.5019



54.3240, 0.2585, 0.4561

Triad

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



54.3240, 0.3438, 0.5019



54.3240, 0.1629, 0.2113



54.3240, 0.4418, 0.2896

Complementary

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



54.3240, 0.3438, 0.5019



17.4649, 0.2515, 0.1588

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.



54.3240, 0.3505, 0.2373



54.3240, 0.3438, 0.5019



54.3240, 0.1953, 0.1932

Square

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



54.3240, 0.3438, 0.5019



54.3240, 0.1613, 0.2645



54.3240, 0.2595, 0.2032



54.3240, 0.4922, 0.3517

Rectangle

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



54.3240, 0.3438, 0.5019



54.3240, 0.2113, 0.3914



54.3240, 0.2595, 0.2032



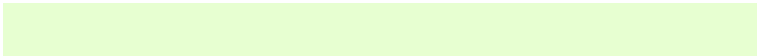
54.3240, 0.4139, 0.2706

Sweetspot

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



54.3264, 0.3438, 0.5019



93.1769, 0.3244, 0.3762



35.9455, 0.4470, 0.4059



19.7319, 0.3263, 0.3845



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.



54.3264, 0.3438, 0.5019



79.3308, 0.3440, 0.5335



50.0508, 0.3035, 0.5253



14.1885, 0.3188, 0.3526



30.9013, 0.3350, 0.5722



1.9130, 0.3483, 0.5616

Inverse Universe

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



17.4649, 0.2515, 0.1588



19.4285, 0.2351, 0.1282



25.1323, 0.3193, 0.1886



12.3201, 0.3061, 0.3055



5.0093, 0.2058, 0.0908



0.3513, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 54.3240, 0.3438, 0.5019 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 54.3240, 0.3438, 0.5019 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 54.3240, 0.3438, 0.5019

Background



This preview shows how black text looks on a background with the Yxy color 54.3240, 0.3438, 0.5019.



This preview shows how white text looks on a background with the Yxy color 54.3240, 0.3438, 0.5019.

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

54.3240, 0.3438, 0.5019

Protanopia

53.7183, 0.4167, 0.4573

Deuteranopia

53.3870, 0.4358, 0.4260



Tritanopia

54.2658, 0.2764, 0.3088

Trichromacy



Original Color

54.3240, 0.3438, 0.5019



Protanomaly

53.4142, 0.3889, 0.4744



Deuteranomaly

52.7139, 0.4000, 0.4539



Tritanomaly

53.7589, 0.3030, 0.3788

Monochromacy



Original Color

54.3240, 0.3438, 0.5019



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.3518, 0.3284, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3240, 0.3438, 0.5019 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(146, 213, 83)` looks like.

```
.text, #text, p{  
    color:rgb(146, 213, 83)  
}
```

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(146, 213, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 213, 83) }
```

Border

The CSS property to change the border of an element to Yxy 54.3240, 0.3438, 0.5019 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(146, 213, 83) }
```

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

```
.border{ border-color:rgb(146, 213, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 213, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 213, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 213, 83);  
box-shadow:4px 4px 4px 4px rgb(146, 213,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3240, 0.3438, 0.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 213, 83) }
```

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

```
.background{ background-color: rgb(146,  
213, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor