

Converting Colors

$Y_{xy}(73.0917, 0.2949, 0.5502)$

Have a look what the booklet for
Yxy(73.0917, 0.2949, 0.5502)
contains.

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Color

Yxy(73.1057, 0.2949, 0.5499)

Conversions

Conversions Part 1

Format	Color
Hex	3BFF55
RGB	59, 255, 85
RGB Percent	23%, 100%, 33%
CMY	0.7684, 0.0000, 0.6668
CMYK	0.77, 0.00, 0.67, 0.00
HSL	128°, 100%, 62%
HSV	128°, 77%, 100%
XYZ	39.2051, 73.1057, 20.6329
YIQ	177.0160, -62.2460, -94.4220

Conversions

Conversions Part 2

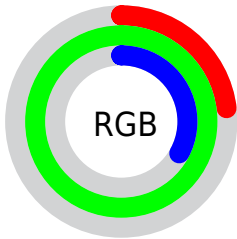
Format	Color
RYB	59, 232, 255
Decimal	3931989
CIELab	88.50, -78.23, 65.29
CIELCh	88, 101.895, 140.150
Yxy	73.1057, 0.2949, 0.5499
Android (android.graphics.Color)	4282122069 (0xFF3BFF55)
YUV	177.0160, -45.3639, -103.5000
Hunter-Lab	85.5019, -67.7809, 45.5438

Details

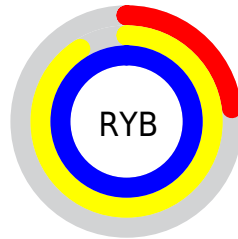
The Yxy color **73.1057, 0.2949, 0.5499** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **30.0561, 0.3473, 0.1833**, and the grayscale version is **44.2512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6773, 0.3035, 0.4708**, and **39.9762, 0.2984, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **72.2099, 0.2956, 0.5724**, and if you desaturate by 10%, it is **74.4946, 0.2952, 0.5220**.

Distribution



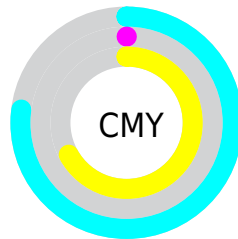
- Red (23%)
- Green (100%)
- Blue (33%)



- Red (23%)
- Yellow (91%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1057, 0.2949, 0.5499 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 73.1057, 0.2949, 0.5499 by changing the saturation by 10% instead.


 73.1057, 0.2949,
0.5499

 73.1057, 0.2949,
0.5499


471.3811, 0.3111,
0.4392


 54.0624, 0.2888,
0.5762


 123.6273, 0.3024,
0.5104

 38.6515, 0.2801,
0.6086


 155.8743, 0.3047,
0.4953

 26.4888, 0.2670,
0.6490

 193.2914, 0.3065,
0.4824

 17.1896, 0.2468,
0.6996

 236.2629, 0.3079,
0.4713

 10.3698, 0.2187,
0.7756

285.1732, 0.3090,
0.4617

 5.6448, 0.1648,
0.8352

340.4067, 0.3099,

 2.6303, 0.0138,

0.4532

0.9862

402.3479, 0.3106,
0.4458

0.9419, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.1057, 0.2949,
0.5499

73.1057, 0.2949,
0.5499

72.2099, 0.2956,
0.5724

74.4946, 0.2952,
0.5220

71.7302, 0.2972,
0.5880

76.4301, 0.2964,
0.4906

71.6339, 0.2976,
0.5915

78.9636, 0.2985,
0.4581

82.1394, 0.3012,
0.4261

 85.9975, 0.3042,
0.3960

 90.5746, 0.3074,
0.3685

 95.9048, 0.3106,
0.3440

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.1057, 0.4011, 0.5384



73.1057, 0.2949, 0.5499



73.1057, 0.1984, 0.4448

Triad

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



73.1057, 0.2949, 0.5499



73.1057, 0.1418, 0.1679



73.1057, 0.5192, 0.3065

Complementary

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



73.1057, 0.2949, 0.5499



30.0561, 0.3473, 0.1833

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.



73.1057, 0.4164, 0.2395



73.1057, 0.2949, 0.5499



73.1057, 0.1952, 0.1640

Square

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



73.1057, 0.2949, 0.5499



73.1057, 0.1236, 0.2081



73.1057, 0.2905, 0.1890



73.1057, 0.5437, 0.3811

Rectangle

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



73.1057, 0.2949, 0.5499



73.1057, 0.1542, 0.3455



73.1057, 0.2905, 0.1890



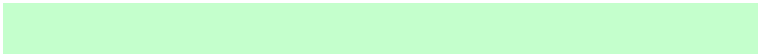
73.1057, 0.4919, 0.2831

Sweetspot

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



73.1072, 0.2949, 0.5499



87.6675, 0.3054, 0.3851



89.0157, 0.3958, 0.5042



18.4274, 0.3043, 0.3953



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.



73.1072, 0.2949, 0.5499



71.9158, 0.2964, 0.5813



75.7425, 0.2589, 0.4283



20.2073, 0.3097, 0.3503



37.4422, 0.2972, 0.5899



3.6571, 0.2928, 0.5739

Inverse Universe

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



30.0561, 0.3473, 0.1833



27.1548, 0.3546, 0.1753



26.1203, 0.4788, 0.2654



18.2566, 0.3158, 0.3086



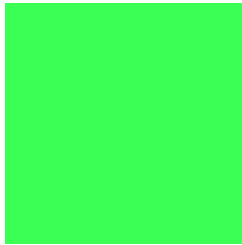
13.8603, 0.3575, 0.1743



1.3605, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 73.1057, 0.2949, 0.5499 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 73.1057, 0.2949, 0.5499 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 73.1057, 0.2949, 0.5499

Background



This preview shows how black text looks on a background with the Yxy color 73.1057, 0.2949, 0.5499.

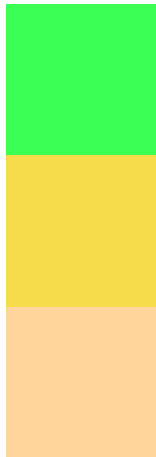


This preview shows how white text looks on a background with the Yxy color 73.1057, 0.2949, 0.5499.

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

73.1057, 0.2949, 0.5499

Protanopia

71.2872, 0.4236, 0.4655

Deuteranopia

71.2488, 0.3866, 0.3878



Tritanopia

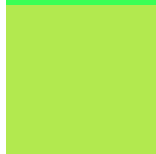
72.3776, 0.2434, 0.3078

Trichromacy



Original Color

73.1057, 0.2949, 0.5499



Protanomaly

68.3073, 0.3617, 0.5052



Deuteranomaly

67.2889, 0.3431, 0.4479



Tritanomaly

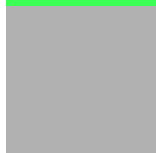
71.4352, 0.2632, 0.3952

Monochromacy



Original Color

73.1057, 0.2949, 0.5499



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7446, 0.3016, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1057, 0.2949, 0.5499 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(59, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 85)  
}
```

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(59, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 85) }
```

Border

The CSS property to change the border of an element to Yxy 73.1057, 0.2949, 0.5499 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(59, 255, 85) }
```

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

```
.border{ border-color:rgb(59, 255, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1057, 0.2949, 0.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 85) }
```

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

```
.background{ background-color: rgb(59, 255,  
85) }
```

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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