

Converting Colors

$Yxy(72.0653, 0.2959, 0.5631)$

Have a look what the booklet for
Yxy(72.0653, 0.2959, 0.5631)
contains.

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Color

Yxy(71.9799, 0.2959, 0.5630)

Conversions

Conversions Part 1

Format	Color
Hex	30FE48
RGB	48, 254, 72
RGB Percent	19%, 100%, 28%
CMY	0.8119, 0.0039, 0.7174
CMYK	0.81, 0.00, 0.72, 0.00
HSL	127°, 99%, 59%
HSV	127°, 81%, 100%
XYZ	37.8310, 71.9799, 18.0397
YIQ	171.6580, -64.3540, -100.2740

Conversions

Conversions Part 2

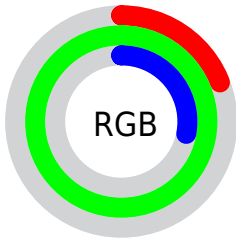
Format	Color
RYB	48, 233, 254
Decimal	3210824
CIELab	87.96, -80.30, 69.39
CIELCh	88, 106.132, 139.169
Yxy	71.9799, 0.2959, 0.5630
Android (android.graphics.Color)	4281400904 (0xFF30FE48)
YUV	171.6580, -49.1314, -108.4481
Hunter-Lab	84.8410, -68.8777, 46.7819

Details

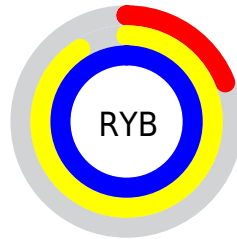
The Yxy color **71.9799, 0.2959, 0.5630** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.8924, 0.3458, 0.1778**, and the grayscale version is **41.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9570, 0.3059, 0.4852**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.2907, 0.2969, 0.5821**, and if you desaturate by 10%, it is **73.1347, 0.2958, 0.5374**.

Distribution



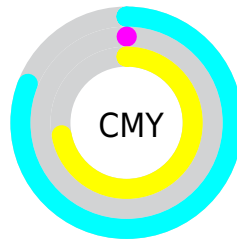
- Red (19%)
- Green (100%)
- Blue (28%)



- Red (19%)
- Yellow (91%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9799, 0.2959, 0.5630 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 71.9799, 0.2959, 0.5630 by changing the saturation by 10% instead.


 71.9799, 0.2959,
0.5630

 71.9799, 0.2959,
0.5630


467.4716, 0.3129,
0.4456


 53.1423, 0.2893,
0.5906


 122.0280, 0.3039,
0.5213


 37.9163, 0.2796,
0.6244


 154.0072, 0.3064,
0.5052


 25.9178, 0.2651,
0.6662


 191.1357, 0.3083,
0.4916

 16.7621, 0.2427,
0.7175

 233.7979, 0.3097,
0.4798

 10.0650, 0.2106,
0.7894

 282.3782, 0.3108,
0.4696

 5.4421, 0.1538,
0.8462

337.2610, 0.3117,

 2.5089, 0.0000,

0.4606

1.0000

398.8307, 0.3123,
0.4527

■ 0.8811, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.9799, 0.2959,
0.5630

■ 71.9799, 0.2959,
0.5630

■ 71.2907, 0.2969,
0.5821


■ 73.1347, 0.2958,
0.5374

■ 70.9786, 0.2981,
0.5931


■ 74.8091, 0.2967,
0.5071

■ 77.0592, 0.2984,
0.4745

■ 79.9315, 0.3008,
0.4416

 83.4677, 0.3035,
0.4100

 87.7059, 0.3065,
0.3808

 92.6811, 0.3095,
0.3546

 98.4264, 0.3124,
0.3314

 99.3664, 0.3128,
0.3281

Harmonies

Analogous

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



71.9799, 0.4055, 0.5439



71.9799, 0.2959, 0.5630



71.9799, 0.1958, 0.4558

Triad

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



71.9799, 0.2959, 0.5630



71.9799, 0.1351, 0.1630



71.9799, 0.5261, 0.3020

Complementary

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



71.9799, 0.2959, 0.5630



28.8924, 0.3458, 0.1778

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.



71.9799, 0.4165, 0.2340



71.9799, 0.2959, 0.5630



71.9799, 0.1883, 0.1583

Square

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



71.9799, 0.2959, 0.5630



71.9799, 0.1176, 0.2049



71.9799, 0.2852, 0.1830



71.9799, 0.5530, 0.3778

Rectangle

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



71.9799, 0.2959, 0.5630



71.9799, 0.1498, 0.3503



71.9799, 0.2852, 0.1830



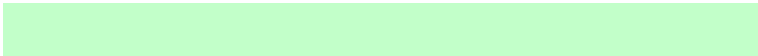
71.9799, 0.4967, 0.2782

Sweetspot

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



71.9829, 0.2959, 0.5630



87.1778, 0.3056, 0.3890



87.9173, 0.3973, 0.5092



18.3318, 0.3046, 0.3994



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.



71.9829, 0.2959, 0.5630



71.7002, 0.2977, 0.5900



74.6104, 0.2587, 0.4347



20.2027, 0.3100, 0.3506



37.4301, 0.2977, 0.5916



3.6550, 0.2936, 0.5768

Inverse Universe

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



28.8924, 0.3458, 0.1778



26.9218, 0.3523, 0.1723



24.7148, 0.4926, 0.2661



18.2616, 0.3156, 0.3083



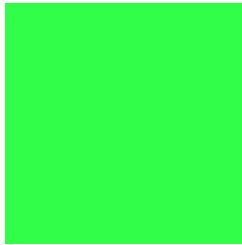
13.9694, 0.3529, 0.1717



1.3701, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 71.9799, 0.2959, 0.5630 looks on a white background.

Color Contrast Check

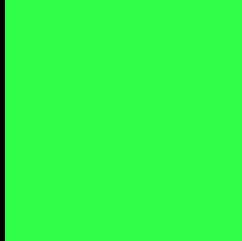
Large Text (above 18pt) WCAG AA × Fail

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 71.9799, 0.2959, 0.5630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

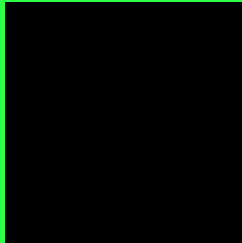
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9799, 0.2959, 0.5630

Background



This preview shows how black text looks on a background with the Yxy color 71.9799, 0.2959, 0.5630.

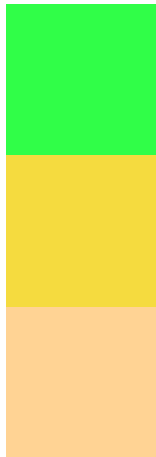


This preview shows how white text looks on a background with the Yxy color 71.9799, 0.2959, 0.5630.

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

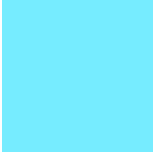
71.9799, 0.2959, 0.5630

Protanopia

70.4344, 0.4280, 0.4719

Deuteranopia

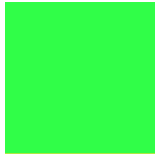
69.9866, 0.3932, 0.3938



Tritanopia

71.0625, 0.2393, 0.3063

Trichromacy



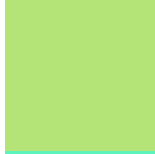
Original Color

71.9799, 0.2959, 0.5630



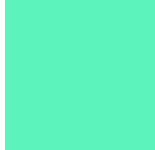
Protanomaly

66.9908, 0.3630, 0.5166



Deuteranomaly

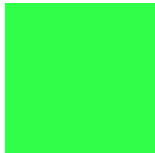
65.9975, 0.3460, 0.4597



Tritanomaly

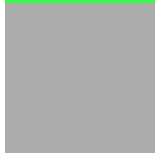
70.0592, 0.2617, 0.4017

Monochromacy



Original Color

71.9799, 0.2959, 0.5630



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.5307, 0.3018, 0.4268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9799, 0.2959, 0.5630 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(48, 254, 72)` looks like.

```
.text, #text, p{  
    color:rgb(48, 254, 72)  
}
```

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(48, 254, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 254, 72) }
```

Border

The CSS property to change the border of an element to Yxy 71.9799, 0.2959, 0.5630 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(48, 254, 72) }
```

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

```
.border{ border-color:rgb(48, 254, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 254, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 254, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 254, 72);  
box-shadow:4px 4px 4px 4px rgb(48, 254,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9799, 0.2959, 0.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 254, 72) }
```

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

```
.background{ background-color: rgb(48, 254,  
72) }
```

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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