

Converting Colors

$Y_{xy}(72.9872, 0.2911, 0.5441)$

Have a look what the booklet for
Yxy(72.9872, 0.2911, 0.5441)
contains.

Yxy(72.9965, 0.2910, 0.5439)	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(72.9965, 0.2910, 0.5439)

Conversions

Conversions Part 1

Format	Color
Hex	33FF5C
RGB	51, 255, 92
RGB Percent	20%, 100%, 36%
CMY	0.8002, 0.0000, 0.6392
CMYK	0.80, 0.00, 0.64, 0.00
HSL	132°, 100%, 60%
HSV	132°, 80%, 100%
XYZ	39.0549, 72.9965, 22.1580
YIQ	175.4220, -69.2610, -93.9410

Conversions

Conversions Part 2

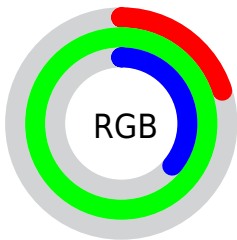
Format	Color
RYB	51, 221, 255
Decimal	3407708
CIELab	88.45, -78.48, 62.44
CIELCh	88, 100.288, 141.493
Yxy	72.9965, 0.2910, 0.5439
Android (android.graphics.Color)	4281597788 (0xFF33FF5C)
YUV	175.4220, -41.1270, -109.1181
Hunter-Lab	85.4380, -67.9216, 44.4300

Details

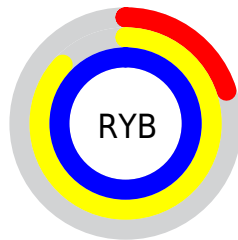
The Yxy color **72.9965, 0.2910, 0.5439** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.4739, 0.3656, 0.1908**, and the grayscale version is **43.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5637, 0.2983, 0.4630**, and **40.0314, 0.2964, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **72.1956, 0.2926, 0.5660**, and if you desaturate by 10%, it is **74.2529, 0.2906, 0.5173**.

Distribution



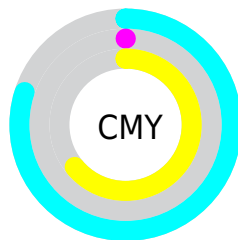
- Red (20%)
- Green (100%)
- Blue (36%)



- Red (20%)
- Yellow (87%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9965, 0.2910, 0.5439 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 72.9965, 0.2910, 0.5439 by changing the saturation by 10% instead.


 72.9965, 0.2910,
0.5439

 72.9965, 0.2910,
0.5439


471.0027, 0.3084,
0.4358

 53.9731, 0.2848,
0.5698


 123.4722, 0.2988,
0.5052

 38.5802, 0.2761,
0.6018


 155.6934, 0.3013,
0.4905

 26.4333, 0.2631,
0.6422


 193.0825, 0.3032,
0.4779

 17.1481, 0.2434,
0.6932

 236.0241, 0.3047,
0.4671

 10.3401, 0.2146,
0.7655

284.9025, 0.3060,
0.4577

 5.6250, 0.1636,
0.8364


340.1022, 0.3070,


 2.6184, 0.0095,


0.4495


0.9905


402.0074, 0.3078,
0.4423


 0.9359, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.9965, 0.2910,
0.5439


 72.9965, 0.2910,
0.5439


 72.1956, 0.2926,
0.5660


 74.2529, 0.2906,
0.5173


 71.7619, 0.2951,
0.5823


 76.0278, 0.2916,
0.4878

 78.3696, 0.2937,
0.4573

 81.3224, 0.2968,
0.4273

 84.9255, 0.3004,
0.3990

 89.2152, 0.3044,
0.3730

 94.2248, 0.3086,
0.3497

99.9857, 0.3127,
0.3290

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.



72.9965, 0.3962, 0.5382



72.9965, 0.2910, 0.5439



72.9965, 0.1966, 0.4363

Triad

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



72.9965, 0.2910, 0.5439



72.9965, 0.1452, 0.1689



72.9965, 0.5192, 0.3104

Complementary

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



72.9965, 0.2910, 0.5439



28.4739, 0.3656, 0.1908

Split Complementary

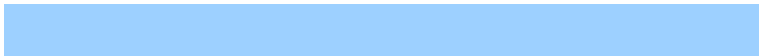
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9965, 0.4205, 0.2434



72.9965, 0.2910, 0.5439



72.9965, 0.2000, 0.1663

Square

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



72.9965, 0.2910, 0.5439



72.9965, 0.1257, 0.2070



72.9965, 0.2961, 0.1924



72.9965, 0.5400, 0.3848

Rectangle

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



72.9965, 0.2910, 0.5439



72.9965, 0.1541, 0.3393



72.9965, 0.2961, 0.1924



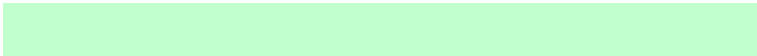
72.9965, 0.4933, 0.2870

Sweetspot

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



72.9952, 0.2910, 0.5439



87.4248, 0.3028, 0.3830



86.0830, 0.3850, 0.5167



18.3895, 0.3014, 0.3924



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.



72.9952, 0.2910, 0.5439



71.9065, 0.2941, 0.5764



76.1075, 0.2517, 0.4090



20.2279, 0.3088, 0.3485



37.5139, 0.2945, 0.5801



3.6673, 0.2891, 0.5606

Inverse Universe

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



28.4739, 0.3656, 0.1908



25.9245, 0.3778, 0.1867



24.7959, 0.5159, 0.2820



18.2340, 0.3169, 0.3102



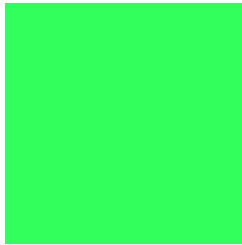
13.4007, 0.3796, 0.1865



1.3199, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 72.9965, 0.2910, 0.5439 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 72.9965, 0.2910, 0.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

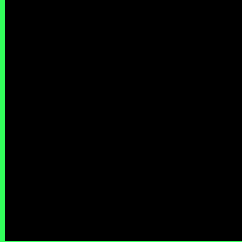
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9965, 0.2910, 0.5439

Background



This preview shows how black text looks on a background with the Yxy color 72.9965, 0.2910, 0.5439.

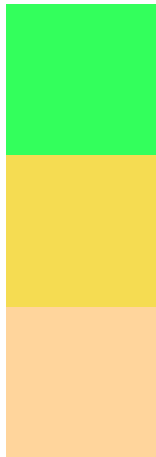


This preview shows how white text looks on a background with the Yxy color 72.9965, 0.2910, 0.5439.

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

72.9965, 0.2910, 0.5439

Protanopia

71.2081, 0.4198, 0.4615

Deuteranopia

71.2488, 0.3866, 0.3878



Tritanopia

72.2240, 0.2426, 0.3077

Trichromacy



Original Color

72.9965, 0.2910, 0.5439



Protanomaly

67.9484, 0.3560, 0.5011



Deuteranomaly

67.0040, 0.3392, 0.4453



Tritanomaly

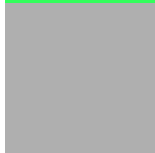
71.3395, 0.2604, 0.3913

Monochromacy



Original Color

72.9965, 0.2910, 0.5439



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.9759, 0.2982, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9965, 0.2910, 0.5439 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(51, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 92)  
}
```

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(51, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 72.9965, 0.2910, 0.5439 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(51, 255, 92) }
```

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

```
.border{ border-color:rgb(51, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9965, 0.2910, 0.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 92) }
```

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

```
.background{ background-color: rgb(51, 255,  
92) }
```

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