

Converting Colors

$Y_{xy}(72.1907, 0.3008, 0.5839)$

Have a look what the booklet for
Yxy(72.1907, 0.3008, 0.5839)
contains.

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Color

Yxy(72.2080, 0.3008, 0.5839)

Conversions

Conversions Part 1

Format	Color
Hex	2BFF2B
RGB	43, 255, 43
RGB Percent	17%, 100%, 17%
CMY	0.8305, 0.0000, 0.8315
CMYK	0.83, 0.00, 0.83, 0.00
HSL	120°, 100%, 58%
HSV	120°, 83%, 100%
XYZ	37.1984, 72.2080, 14.2586
YIQ	167.4440, -58.3000, -110.8760

Conversions

Conversions Part 2

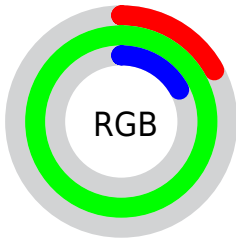
Format	Color
R _Y B	43, 255, 255
Decimal	2883371
CIE Lab	88.07, -82.84, 77.87
CIE LCh	88, 113.689, 136.772
Yxy	72.2080, 0.3008, 0.5839
Android (android.graphics.Color)	4281073451 (0xFF2BFF2B)
YUV	167.4440, -61.3509, -109.1374
Hunter-Lab	84.9753, -70.5673, 49.5340

Details

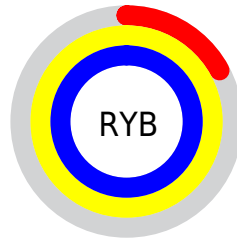
The Yxy color **72.2080, 0.3008, 0.5839** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.1587, 0.3204, 0.1609**, and the grayscale version is **39.2297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3700, 0.3140, 0.5091**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6866, 0.3002, 0.5960**, and if you desaturate by 10%, it is **73.1954, 0.3018, 0.5628**.

Distribution



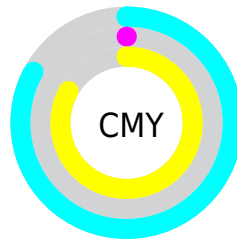
- Red (17%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)




- Cyan (83%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2080, 0.3008, 0.5839 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 72.2080, 0.3008, 0.5839 by changing the saturation by 10% instead.


 72.2080, 0.3008,
0.5839


 72.2080, 0.3008,
0.5839


468.2653, 0.3179,
0.4572

 53.3286, 0.2934,
0.6128


 122.3522, 0.3095,
0.5394


 38.0652, 0.2825,
0.6476

 154.3858, 0.3120,
0.5222

 26.0333, 0.2661,
0.6893


 191.5729, 0.3139,
0.5074

 16.8485, 0.2421,
0.7425

 234.2980, 0.3152,
0.4946

 10.1266, 0.2029,
0.7971

 282.9453, 0.3162,
0.4834

 5.4829, 0.1456,
0.8544


337.8994, 0.3169,

 2.5333, 0.0000,


0.4736


1.0000


399.5446, 0.3175,
0.4650


 0.8933, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 72.2080, 0.3008,
0.5839


 72.2080, 0.3008,
0.5839


 71.6866, 0.3002,
0.5960


 73.1954, 0.3018,
0.5628

 71.5204, 0.3000,
0.6000


 74.7141, 0.3032,
0.5341

 76.8282, 0.3048,
0.5002

 79.5905, 0.3064,
0.4640

 83.0481, 0.3081,
0.4282

 87.2435, 0.3097,
0.3945

 92.2161, 0.3111,
0.3639

 98.0023, 0.3124,
0.3368

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



72.2080, 0.4151, 0.5485



72.2080, 0.3008, 0.5839



72.2080, 0.1947, 0.4792

Triad

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



72.2080, 0.3008, 0.5839



72.2080, 0.1242, 0.1563



72.2080, 0.5336, 0.2926

Complementary

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



72.2080, 0.3008, 0.5839



30.1587, 0.3204, 0.1609

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.



72.2080, 0.4115, 0.2234



72.2080, 0.3008, 0.5839



72.2080, 0.1756, 0.1495

Square

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



72.2080, 0.3008, 0.5839



72.2080, 0.1087, 0.2026



72.2080, 0.2729, 0.1727



72.2080, 0.5677, 0.3695

Rectangle

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



72.2080, 0.3008, 0.5839



72.2080, 0.1448, 0.3637



72.2080, 0.2729, 0.1727



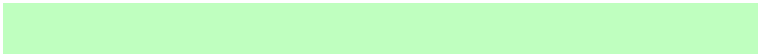
72.2080, 0.5002, 0.2684

Sweetspot

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



72.2110, 0.3008, 0.5839



86.4110, 0.3094, 0.4005



90.7183, 0.4175, 0.4963



18.1721, 0.3089, 0.4122



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.



72.2110, 0.3008, 0.5839



71.5219, 0.3000, 0.6000



74.0898, 0.2702, 0.4778



20.1692, 0.3116, 0.3536



37.3722, 0.3000, 0.6000



3.6391, 0.3001, 0.5999

Inverse Universe

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



30.1587, 0.3204, 0.1609



28.4242, 0.3206, 0.1540



25.2692, 0.4538, 0.2398



18.2993, 0.3138, 0.3056



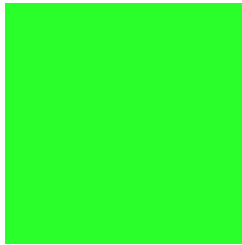
14.8528, 0.3206, 0.1540



1.4465, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 72.2080, 0.3008, 0.5839 looks on a white background.

Color Contrast Check

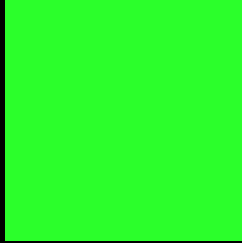
Large Text (above 18pt) WCAG AA × Fail

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 72.2080, 0.3008, 0.5839 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 72.2080, 0.3008, 0.5839

Background



This preview shows how black text looks on a background with the Yxy color 72.2080, 0.3008, 0.5839.

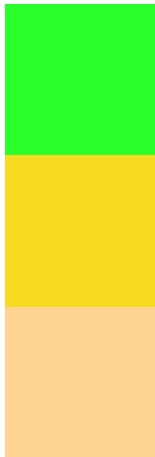


This preview shows how white text looks on a background with the Yxy color 72.2080, 0.3008, 0.5839.

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

72.2080, 0.3008, 0.5839

Protanopia

70.3657, 0.4368, 0.4831

Deuteranopia

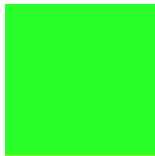
70.4536, 0.3935, 0.3958



Tritanopia

71.7814, 0.2403, 0.3076

Trichromacy



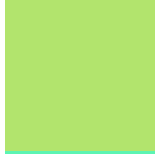
Original Color

72.2080, 0.3008, 0.5839



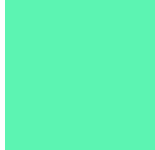
Protanomaly

66.6175, 0.3696, 0.5330



Deuteranomaly

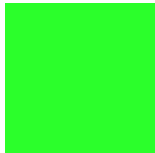
66.0559, 0.3501, 0.4733



Tritanomaly

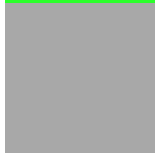
70.1910, 0.2662, 0.4171

Monochromacy



Original Color

72.2080, 0.3008, 0.5839



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.9496, 0.3073, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2080, 0.3008, 0.5839 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(43, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 43)  
}
```

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(43, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 43) }
```

Border

The CSS property to change the border of an element to Yxy 72.2080, 0.3008, 0.5839 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(43, 255, 43) }
```

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

```
.border{ border-color:rgb(43, 255, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 255, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2080, 0.3008, 0.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 43) }
```

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

```
.background{ background-color: rgb(43, 255,  
43) }
```

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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