

Converting Colors

$Y_{xy}(72.1371, 0.3049, 0.5951)$

Have a look what the booklet for
Yxy(72.1371, 0.3049, 0.5951)
contains.

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Color

Yxy(72.1353, 0.3049, 0.5951)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF05
RGB	47, 255, 5
RGB Percent	18%, 100%, 2%
CMY	0.8159, 0.0000, 0.9799
CMYK	0.82, 0.00, 0.98, 0.00
HSL	110°, 100%, 51%
HSV	110°, 98%, 100%
XYZ	36.9586, 72.1353, 12.1215
YIQ	164.3080, -43.7180, -121.8460

Conversions

Conversions Part 2

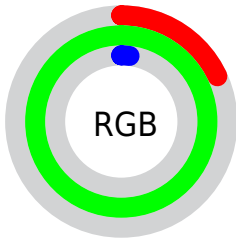
Format	Color
R_{YB}	5, 255, 213
Decimal	3145477
CIE Lab	88.03, -83.47, 83.16
CIE LCh	88, 117.826, 135.109
Yxy	72.1353, 0.3049, 0.5951
Android (android.graphics.Color)	4281335557 (0xFF2FFF05)
YUV	164.3080, -78.5388, -102.8791
Hunter-Lab	84.9325, -70.9572, 50.9909

Details

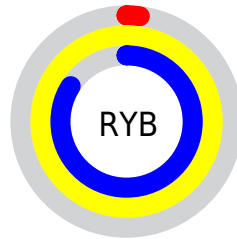
The Yxy color **72.1353, 0.3049, 0.5951** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **21.5020, 0.2789, 0.1316**, and the grayscale version is **37.6769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2158, 0.3209, 0.5244**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0270, 0.3043, 0.5966**, and if you desaturate by 10%, it is **72.8527, 0.3083, 0.5849**.

Distribution



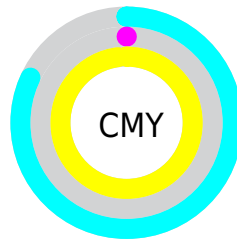
- Red (18%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1353, 0.3049, 0.5951 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 72.1353, 0.3049, 0.5951 by changing the saturation by 10% instead.


 72.1353, 0.3049,
0.5951


 72.1353, 0.3049,
0.5951

 468.0124, 0.3217,
0.4640

 53.2692, 0.2971,
0.6243


 122.2489, 0.3139,
0.5495


 38.0177, 0.2855,
0.6590


 154.2651, 0.3164,
0.5317

 25.9964, 0.2678,
0.6999


 191.4336, 0.3182,
0.5163

 16.8210, 0.2439,
0.7561

 234.1386, 0.3195,
0.5030

 10.1069, 0.2007,
0.7993

 282.7646, 0.3204,
0.4914

 5.4699, 0.1432,
0.8568


 337.6960, 0.3210,

 2.5255, 0.0000,


0.4811


1.0000


399.3171, 0.3214,
0.4721

 0.8894, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1353, 0.3049,
0.5951


 72.1353, 0.3049,
0.5951

 72.0270, 0.3043,
0.5966

 72.8527, 0.3083,
0.5849


 73.9513, 0.3114,
0.5668


 75.4803, 0.3140,
0.5414

 77.4800, 0.3157,
0.5105

 79.9861, 0.3166,
0.4767

 83.0308, 0.3167,
0.4421

 86.6433, 0.3162,
0.4087

 90.8510, 0.3152,
0.3776

 95.6793, 0.3139,
0.3493

Harmonies

Analogous

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



72.1353, 0.4218, 0.5490



72.1353, 0.3049, 0.5951



72.1353, 0.1954, 0.4951

Triad

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



72.1353, 0.3049, 0.5951



72.1353, 0.1180, 0.1532



72.1353, 0.5362, 0.2863

Complementary

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



72.1353, 0.3049, 0.5951



21.5020, 0.2789, 0.1316

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.



72.1353, 0.4063, 0.2168



72.1353, 0.3049, 0.5951



72.1353, 0.1678, 0.1447

Square

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



72.1353, 0.3049, 0.5951



72.1353, 0.1040, 0.2024



72.1353, 0.2644, 0.1667



72.1353, 0.5758, 0.3637

Rectangle

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



72.1353, 0.3049, 0.5951



72.1353, 0.1430, 0.3740



72.1353, 0.2644, 0.1667



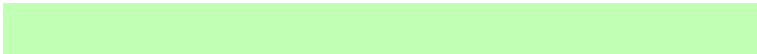
72.1353, 0.5000, 0.2619

Sweetspot

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



72.1345, 0.3049, 0.5951



86.2524, 0.3162, 0.4120



66.9650, 0.4554, 0.4757



18.1219, 0.3165, 0.4261



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.



72.1345, 0.3049, 0.5951



72.0270, 0.3043, 0.5966



72.1971, 0.2879, 0.5552



20.3142, 0.3141, 0.3534



37.6781, 0.3050, 0.5960



3.7076, 0.3113, 0.5910

Inverse Universe

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



21.5020, 0.2789, 0.1316



21.2628, 0.2781, 0.1305



24.5007, 0.4207, 0.2098



18.1374, 0.3111, 0.3054



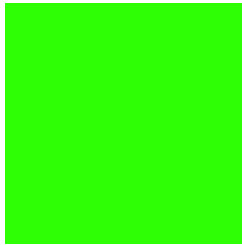
11.1671, 0.2788, 0.1309



1.1263, 0.2839, 0.1337

Previews

White Background



This preview shows how the Yxy color 72.1353, 0.3049, 0.5951 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 72.1353, 0.3049, 0.5951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

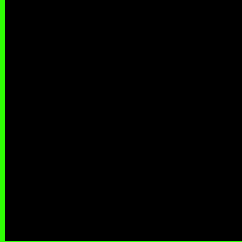
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1353, 0.3049, 0.5951

Background



This preview shows how black text looks on a background with the Yxy color 72.1353, 0.3049, 0.5951.



This preview shows how white text looks on a background with the Yxy color 72.1353, 0.3049, 0.5951.

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

72.1353, 0.3049, 0.5951

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

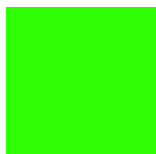
70.4223, 0.3942, 0.3968



Tritanopia

71.2040, 0.2401, 0.3064

Trichromacy



Original Color

72.1353, 0.3049, 0.5951



Protanomaly

66.7163, 0.3750, 0.5401



Deuteranomaly

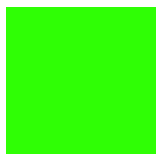
65.8967, 0.3577, 0.4871



Tritanomaly

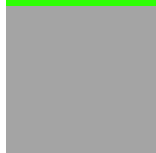
69.1087, 0.2729, 0.4359

Monochromacy



Original Color

72.1353, 0.3049, 0.5951



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.0381, 0.3165, 0.4681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1353, 0.3049, 0.5951 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(47, 255, 5)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 5)  
}
```

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(47, 255, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 5) }
```

Border

The CSS property to change the border of an element to Yxy 72.1353, 0.3049, 0.5951 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(47, 255, 5) }
```

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

```
.border{ border-color:rgb(47, 255, 5) }
```

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

Here you see how a box with a 4 pixel rgb(47, 255, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(47, 255, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.1353, 0.3049, 0.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 5) }
```

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

```
.background{ background-color: rgb(47, 255,  
5) }
```

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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