

Converting Colors

$Y_{xy}(72.3148, 0.3009, 0.5815)$

Have a look what the booklet for
Yxy(72.3148, 0.3009, 0.5815)
contains.

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Color

Yxy(72.3296, 0.3009, 0.5812)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF2F
RGB	47, 255, 47
RGB Percent	18%, 100%, 18%
CMY	0.8155, 0.0000, 0.8158
CMYK	0.82, 0.00, 0.82, 0.00
HSL	120°, 100%, 59%
HSV	120°, 82%, 100%
XYZ	37.4466, 72.3296, 14.6725
YIQ	169.0960, -57.2000, -108.7840

Conversions

Conversions Part 2

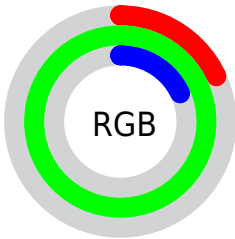
Format	Color
RYB	47, 255, 255
Decimal	3145519
CIELab	88.13, -82.28, 76.99
CIELCh	88, 112.683, 136.900
Yxy	72.3296, 0.3009, 0.5812
Android (android.graphics.Color)	4281335599 (0xFF2FFF2F)
YUV	169.0960, -60.1933, -107.0782
Hunter-Lab	85.0468, -70.2373, 49.3039

Details

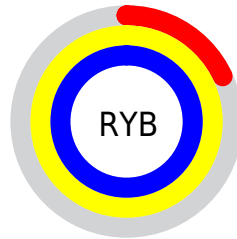
The Yxy color **72.3296, 0.3009, 0.5812** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.4948, 0.3205, 0.1621**, and the grayscale version is **40.0581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4930, 0.3138, 0.5067**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7416, 0.3003, 0.5947**, and if you desaturate by 10%, it is **73.3928, 0.3020, 0.5588**.

Distribution



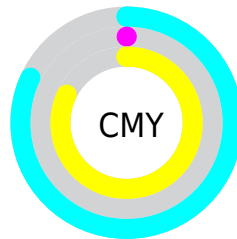
- Red (18%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3296, 0.3009, 0.5812 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 72.3296, 0.3009, 0.5812 by changing the saturation by 10% instead.

 72.3296, 0.3009,
0.5812


 72.3296, 0.3009,
0.5812

468.6880, 0.3176,
0.4558


 53.4280, 0.2937,
0.6099

 122.5250, 0.3094,
0.5371


 38.1445, 0.2830,
0.6445

 154.5876, 0.3119,
0.5201

 26.0949, 0.2669,
0.6861


 191.8059, 0.3137,
0.5054

 16.8946, 0.2432,
0.7385

 234.5644, 0.3150,
0.4928

 10.1594, 0.2050,
0.7950

 283.2475, 0.3160,
0.4817

 5.5048, 0.1480,
0.8520

338.2395, 0.3167,

 2.5464, 0.0000,

0.4720

1.0000

399.9249, 0.3172,
0.4635

■ 0.8998, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.3296, 0.3009,
0.5812

■ 72.3296, 0.3009,
0.5812

■ 71.7416, 0.3003,
0.5947


■ 73.3928, 0.3020,
0.5588

■ 71.5207, 0.3000,
0.6000

■ 74.9999, 0.3034,
0.5291

■ 77.2116, 0.3050,
0.4946

■ 80.0799, 0.3067,
0.4583

 83.6510, 0.3083,
0.4227

 87.9672, 0.3099,
0.3894

 93.0673, 0.3113,
0.3594

 98.9874, 0.3125,
0.3329

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.



72.3296, 0.4145, 0.5475



72.3296, 0.3009, 0.5812



72.3296, 0.1954, 0.4769

Triad

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



72.3296, 0.3009, 0.5812



72.3296, 0.1255, 0.1574



72.3296, 0.5320, 0.2934

Complementary

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



72.3296, 0.3009, 0.5812



30.4948, 0.3205, 0.1621

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.



72.3296, 0.4113, 0.2245



72.3296, 0.3009, 0.5812



72.3296, 0.1769, 0.1506

Square

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



72.3296, 0.3009, 0.5812



72.3296, 0.1099, 0.2034



72.3296, 0.2738, 0.1739



72.3296, 0.5658, 0.3702

Rectangle

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



72.3296, 0.3009, 0.5812



72.3296, 0.1459, 0.3628



72.3296, 0.2738, 0.1739



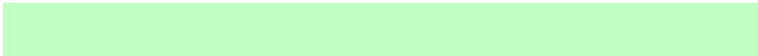
72.3296, 0.4990, 0.2693

Sweetspot

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



72.3306, 0.3009, 0.5812



86.8522, 0.3095, 0.3972



90.7928, 0.4167, 0.4951



18.2562, 0.3090, 0.4090



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.



72.3306, 0.3009, 0.5812



71.5647, 0.3001, 0.5989



74.2465, 0.2701, 0.4747



20.1685, 0.3116, 0.3536



37.3712, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



30.4948, 0.3205, 0.1621



28.5716, 0.3208, 0.1545



25.6389, 0.4500, 0.2397



18.3000, 0.3138, 0.3056



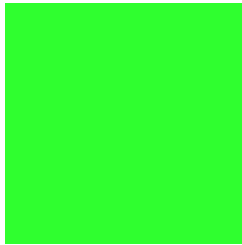
14.8714, 0.3208, 0.1541



1.4481, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 72.3296, 0.3009, 0.5812 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 72.3296, 0.3009, 0.5812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

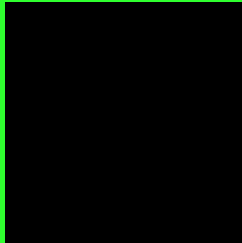
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3296, 0.3009, 0.5812

Background



This preview shows how black text looks on a background with the Yxy color 72.3296, 0.3009, 0.5812.



This preview shows how white text looks on a background with the Yxy color 72.3296, 0.3009, 0.5812.

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

72.3296, 0.3009, 0.5812

Protanopia

70.3894, 0.4360, 0.4820

Deuteranopia

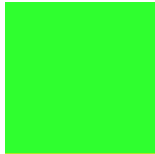
70.4851, 0.3928, 0.3948



Tritanopia

71.8533, 0.2407, 0.3076

Trichromacy



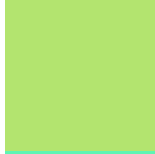
Original Color

72.3296, 0.3009, 0.5812



Protanomaly

66.8720, 0.3704, 0.5302



Deuteranomaly

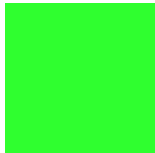
66.2182, 0.3498, 0.4708



Tritanomaly

70.3357, 0.2664, 0.4155

Monochromacy



Original Color

72.3296, 0.3009, 0.5812



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1492, 0.3074, 0.4417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3296, 0.3009, 0.5812 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, 47)` looks like.

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

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, 47) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 72.3296, 0.3009, 0.5812 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, 47) }
```

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

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

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, 47)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 72.3296, 0.3009, 0.5812 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, 47) }
```

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

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

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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