

Converting Colors

$Yxy(72.9996, 0.2927, 0.5476)$

Have a look what the booklet for
Yxy(72.9996, 0.2927, 0.5476)
contains.

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Color

Yxy(72.9815, 0.2926, 0.5478)

Conversions

Conversions Part 1

Format	Color
Hex	35FF58
RGB	53, 255, 88
RGB Percent	21%, 100%, 35%
CMY	0.7929, 0.0000, 0.6549
CMYK	0.79, 0.00, 0.65, 0.00
HSL	130°, 100%, 60%
HSV	130°, 79%, 100%
XYZ	38.9821, 72.9815, 21.2630
YIQ	175.5640, -66.7850, -94.7610

Conversions

Conversions Part 2

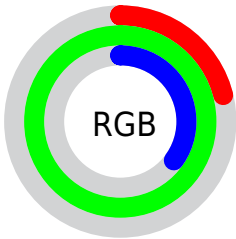
Format	Color
RYB	53, 225, 255
Decimal	3538776
CIELab	88.44, -78.68, 64.03
CIELCh	88, 101.443, 140.859
Yxy	72.9815, 0.2926, 0.5478
Android (android.graphics.Color)	4281728856 (0xFF35FF58)
YUV	175.5640, -43.1691, -107.4886
Hunter-Lab	85.4292, -68.0500, 45.0434

Details

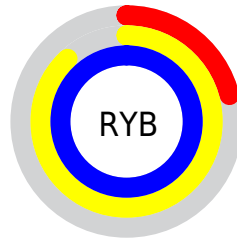
The Yxy color **72.9815, 0.2926, 0.5478** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.9469, 0.3583, 0.1872**, and the grayscale version is **43.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5202, 0.3006, 0.4677**, and **39.9985, 0.2976, 0.5912** is the 20% darker color. If you saturate the color by 10%, you get **72.1618, 0.2939, 0.5697**, and if you desaturate by 10%, it is **74.2584, 0.2924, 0.5209**.

Distribution



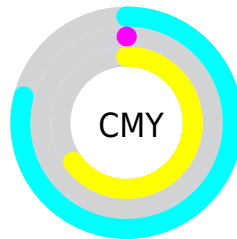
- Red (21%)
- Green (100%)
- Blue (35%)



- Red (21%)
- Yellow (88%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9815, 0.2926, 0.5478 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 72.9815, 0.2926, 0.5478 by changing the saturation by 10% instead.

 72.9815, 0.2926,
0.5478

 72.9815, 0.2926,
0.5478

470.9507, 0.3097,
0.4379

 53.9608, 0.2864,
0.5740


 123.4509, 0.3003,
0.5085


 38.5704, 0.2776,
0.6064


 155.6685, 0.3028,
0.4935

 26.4257, 0.2644,
0.6470


 193.0538, 0.3047,
0.4807

 17.1423, 0.2443,
0.6980

 235.9913, 0.3061,
0.4698

 10.3360, 0.2157,
0.7726

284.8654, 0.3073,
0.4602

 5.6223, 0.1628,
0.8372

340.0603, 0.3083,

 2.6168, 0.0074,

0.4518

0.9926

401.9606, 0.3090,
0.4445

■ 0.9351, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.9815, 0.2926,
0.5478

■ 72.9815, 0.2926,
0.5478

■ 72.1618, 0.2939,
0.5697

■ 74.2584, 0.2924,
0.5209


■ 71.7280, 0.2961,
0.5855


■ 76.0669, 0.2935,
0.4908

■ 71.7047, 0.2962,
0.5864

■ 78.4521, 0.2955,
0.4594

■ 81.4583, 0.2984,
0.4286

 85.1252, 0.3018,
0.3994

 89.4893, 0.3055,
0.3727

 94.5846, 0.3092,
0.3487

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.



72.9815, 0.3986, 0.5390



72.9815, 0.2926, 0.5478



72.9815, 0.1969, 0.4408

Triad

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



72.9815, 0.2926, 0.5478



72.9815, 0.1431, 0.1679



72.9815, 0.5200, 0.3084

Complementary

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



72.9815, 0.2926, 0.5478



28.9469, 0.3583, 0.1872

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.



72.9815, 0.4190, 0.2413



72.9815, 0.2926, 0.5478



72.9815, 0.1974, 0.1647

Square

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



72.9815, 0.2926, 0.5478



72.9815, 0.1242, 0.2070



72.9815, 0.2933, 0.1904



72.9815, 0.5425, 0.3830

Rectangle

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



72.9815, 0.2926, 0.5478



72.9815, 0.1536, 0.3422



72.9815, 0.2933, 0.1904



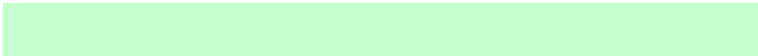
72.9815, 0.4934, 0.2850

Sweetspot

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



72.9764, 0.2926, 0.5478



87.3441, 0.3037, 0.3850



87.1950, 0.3896, 0.5124



18.3706, 0.3024, 0.3946



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.



72.9764, 0.2926, 0.5478



71.8786, 0.2952, 0.5795



75.8857, 0.2546, 0.4176



20.2198, 0.3092, 0.3492



37.4821, 0.2957, 0.5844



3.6630, 0.2906, 0.5661

Inverse Universe

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



28.9469, 0.3583, 0.1872



26.3378, 0.3685, 0.1819



25.1504, 0.5027, 0.2754



18.2429, 0.3165, 0.3096



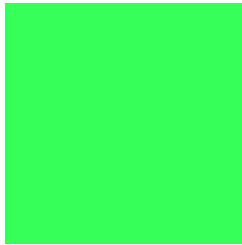
13.5764, 0.3706, 0.1815



1.3355, 0.3639, 0.1779

Previews

White Background



This preview shows how the Yxy color 72.9815, 0.2926, 0.5478 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 72.9815, 0.2926, 0.5478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

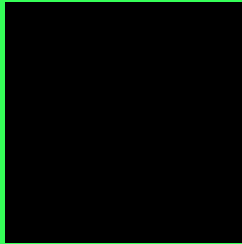
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9815, 0.2926, 0.5478

Background



This preview shows how black text looks on a background with the Yxy color 72.9815, 0.2926, 0.5478.

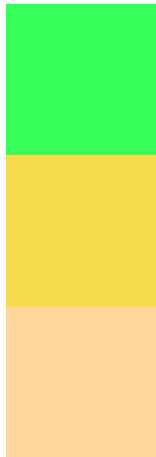


This preview shows how white text looks on a background with the Yxy color 72.9815, 0.2926, 0.5478.

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

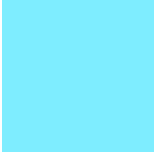
72.9815, 0.2926, 0.5478

Protanopia

71.1489, 0.4215, 0.4641

Deuteranopia

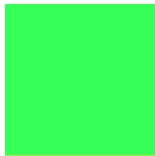
71.2151, 0.3873, 0.3888



Tritanopia

72.2240, 0.2426, 0.3077

Trichromacy



Original Color

72.9815, 0.2926, 0.5478



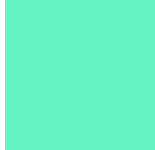
Protanomaly

68.0010, 0.3583, 0.5041



Deuteranomaly

66.9493, 0.3403, 0.4476



Tritanomaly

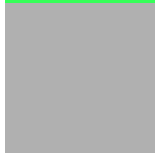
71.2491, 0.2613, 0.3941

Monochromacy



Original Color

72.9815, 0.2926, 0.5478



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.5016, 0.2995, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9815, 0.2926, 0.5478 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(53, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 88)  
}
```

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(53, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 88) }
```

Border

The CSS property to change the border of an element to Yxy 72.9815, 0.2926, 0.5478 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(53, 255, 88) }
```

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

```
.border{ border-color:rgb(53, 255, 88) }
```

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

Here you see how a box with a 4 pixel rgb(53, 255, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9815, 0.2926, 0.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 88) }
```

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

```
.background{ background-color: rgb(53, 255,  
88) }
```

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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