

Converting Colors

$Y_{xy}(72.8985, 0.2928, 0.5499)$

Have a look what the booklet for
Yxy(72.8985, 0.2928, 0.5499)
contains.

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Color

Yxy(72.8957, 0.2928, 0.5500)

Conversions

Conversions Part 1

Format	Color
Hex	33FF56
RGB	51, 255, 86
RGB Percent	20%, 100%, 34%
CMY	0.7999, 0.0000, 0.6626
CMYK	0.80, 0.00, 0.66, 0.00
HSL	130°, 100%, 60%
HSV	130°, 80%, 100%
XYZ	38.8070, 72.8957, 20.8349
YIQ	174.7380, -67.3350, -95.8070

Conversions

Conversions Part 2

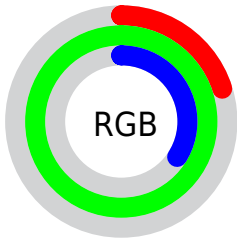
Format	Color
RYB	51, 225, 255
Decimal	3407702
CIELab	88.40, -79.06, 64.75
CIELCh	88, 102.189, 140.684
Yxy	72.8957, 0.2928, 0.5500
Android (android.graphics.Color)	4281597782 (0xFF33FF56)
YUV	174.7380, -43.7478, -108.5182
Hunter-Lab	85.3790, -68.2802, 45.2968

Details

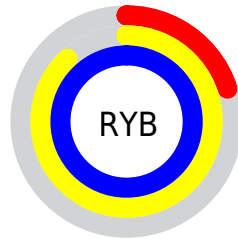
The Yxy color **72.8957, 0.2928, 0.5500** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.7978, 0.3582, 0.1864**, and the grayscale version is **42.9908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3785, 0.3010, 0.4704**, and **39.9830, 0.2981, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **72.1141, 0.2942, 0.5715**, and if you desaturate by 10%, it is **74.1433, 0.2926, 0.5234**.

Distribution



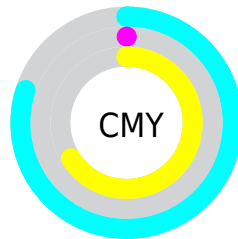
- Red (20%)
- Green (100%)
- Blue (34%)



- Red (20%)
- Yellow (88%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8957, 0.2928, 0.5500 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 72.8957, 0.2928, 0.5500 by changing the saturation by 10% instead.


 72.8957, 0.2928,
0.5500

 72.8957, 0.2928,
0.5500


470.6532, 0.3099,
0.4390


 53.8907, 0.2865,
0.5764


 123.3291, 0.3006,
0.5103

 38.5143, 0.2775,
0.6091


 155.5263, 0.3031,
0.4952

 26.3821, 0.2642,
0.6499


 192.8897, 0.3050,
0.4823

 17.1097, 0.2437,
0.7010

 235.8037, 0.3065,
0.4712

 10.3127, 0.2151,
0.7772

284.6526, 0.3076,
0.4615

 5.6068, 0.1612,
0.8388

339.8209, 0.3086,

 2.6075, 0.0023,

0.4531

0.9977

401.6930, 0.3093,
0.4456

■ 0.9304, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8957, 0.2928,
0.5500

■ 72.8957, 0.2928,
0.5500

■ 72.1141, 0.2942,
0.5715

■ 74.1433, 0.2926,
0.5234


■ 71.7004, 0.2963,
0.5867

■ 75.9126, 0.2935,
0.4934

■ 71.7000, 0.2963,
0.5867

■ 78.2560, 0.2955,
0.4620

■ 81.2179, 0.2983,
0.4310

 84.8386, 0.3016,
0.4016

 89.1548, 0.3053,
0.3746

 94.2007, 0.3090,
0.3504

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.



72.8957, 0.3994, 0.5400



72.8957, 0.2928, 0.5500



72.8957, 0.1965, 0.4426

Triad

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



72.8957, 0.2928, 0.5500



72.8957, 0.1419, 0.1671



72.8957, 0.5212, 0.3076

Complementary

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



72.8957, 0.2928, 0.5500



28.7978, 0.3582, 0.1864

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.



72.8957, 0.4190, 0.2403



72.8957, 0.2928, 0.5500



72.8957, 0.1962, 0.1638

Square

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



72.8957, 0.2928, 0.5500



72.8957, 0.1232, 0.2065



72.8957, 0.2924, 0.1893



72.8957, 0.5441, 0.3825

Rectangle

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



72.8957, 0.2928, 0.5500



72.8957, 0.1528, 0.3430



72.8957, 0.2924, 0.1893



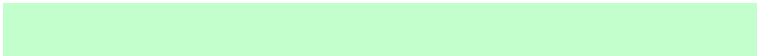
72.8957, 0.4942, 0.2841

Sweetspot

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



72.8971, 0.2928, 0.5500



87.3370, 0.3038, 0.3851



87.1323, 0.3898, 0.5132



18.3689, 0.3025, 0.3948



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.



72.8971, 0.2928, 0.5500



71.8356, 0.2955, 0.5814



75.8130, 0.2545, 0.4185



20.2190, 0.3092, 0.3493



37.4795, 0.2958, 0.5847



3.6627, 0.2907, 0.5666

Inverse Universe

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



28.7978, 0.3582, 0.1864



26.2851, 0.3684, 0.1815



24.9629, 0.5051, 0.2756



18.2437, 0.3164, 0.3095



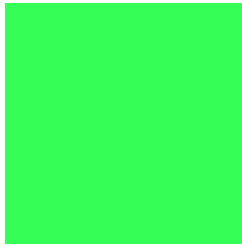
13.5923, 0.3698, 0.1811



1.3369, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 72.8957, 0.2928, 0.5500 looks on a white background.

Color Contrast Check

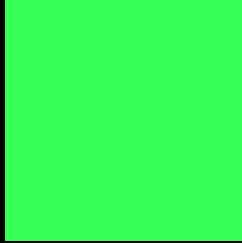
Large Text (above 18pt) WCAG AA × Fail

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 72.8957, 0.2928, 0.5500 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 72.8957, 0.2928, 0.5500

Background



This preview shows how black text looks on a background with the Yxy color 72.8957, 0.2928, 0.5500.

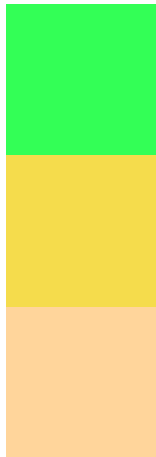


This preview shows how white text looks on a background with the Yxy color 72.8957, 0.2928, 0.5500.

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

72.8957, 0.2928, 0.5500

Protanopia

71.1207, 0.4224, 0.4653

Deuteranopia

71.2151, 0.3873, 0.3888



Tritanopia

72.1483, 0.2422, 0.3077

Trichromacy



Original Color

72.8957, 0.2928, 0.5500



Protanomaly

67.8557, 0.3584, 0.5062



Deuteranomaly

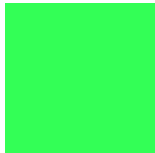
66.9223, 0.3409, 0.4488



Tritanomaly

71.1931, 0.2609, 0.3942

Monochromacy



Original Color

72.8957, 0.2928, 0.5500



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.9147, 0.2994, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8957, 0.2928, 0.5500 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 86) }
```

Border

The CSS property to change the border of an element to Yxy 72.8957, 0.2928, 0.5500 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, 86) }
```

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

```
.border{ border-color:rgb(51, 255, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8957, 0.2928, 0.5500 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, 86) }
```

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

```
.background{ background-color: rgb(51, 255,  
86) }
```

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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