

Converting Colors

$Yxy(72.8807, 0.2938, 0.5531)$

Have a look what the booklet for
Yxy(72.8807, 0.2938, 0.5531)
contains.

Yxy(72.8483, 0.2937, 0.5530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.8483, 0.2937, 0.5530)

Conversions

Conversions Part 1

Format	Color
Hex	33FF53
RGB	51, 255, 83
RGB Percent	20%, 100%, 33%
CMY	0.7995, 0.0000, 0.6747
CMYK	0.80, 0.00, 0.67, 0.00
HSL	129°, 100%, 60%
HSV	129°, 80%, 100%
XYZ	38.6900, 72.8483, 20.1947
YIQ	174.3960, -66.3720, -96.7400

Conversions

Conversions Part 2

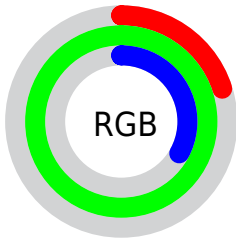
Format	Color
RYB	51, 227, 255
Decimal	3407699
CIELab	88.38, -79.34, 65.90
CIELCh	88, 103.136, 140.285
Yxy	72.8483, 0.2937, 0.5530
Android (android.graphics.Color)	4281597779 (0xFF33FF53)
YUV	174.3960, -45.0582, -108.2183
Hunter-Lab	85.3512, -68.4501, 45.7174

Details

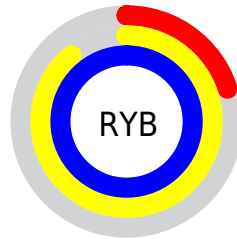
The Yxy color **72.8483, 0.2937, 0.5530** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.9773, 0.3545, 0.1842**, and the grayscale version is **42.8232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3190, 0.3020, 0.4729**, and **39.9590, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **72.0764, 0.2950, 0.5741**, and if you desaturate by 10%, it is **74.0918, 0.2935, 0.5264**.

Distribution



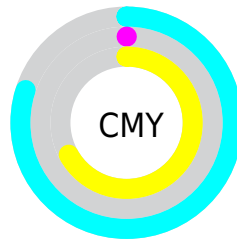
- Red (20%)
- Green (100%)
- Blue (33%)



- Red (20%)
- Yellow (89%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8483, 0.2937, 0.5530 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 72.8483, 0.2937, 0.5530 by changing the saturation by 10% instead.


 72.8483, 0.2937,
0.5530


 72.8483, 0.2937,
0.5530


470.4889, 0.3107,
0.4406


 53.8519, 0.2874,
0.5797


 123.2618, 0.3015,
0.5129


 38.4833, 0.2783,
0.6126


 155.4478, 0.3040,
0.4975

 26.3580, 0.2647,
0.6535


 192.7990, 0.3059,
0.4845

 17.0917, 0.2439,
0.7047

 235.7000, 0.3073,
0.4732

 10.2999, 0.2155,
0.7831

284.5351, 0.3085,
0.4634

 5.5982, 0.1600,
0.8400

339.6887, 0.3094,

 2.6024, 0.0000,

0.4549

1.0000

401.5451, 0.3101,
0.4473

■ 0.9278, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8483, 0.2937,
0.5530

■ 72.8483, 0.2937,
0.5530

■ 72.0764, 0.2950,
0.5741

■ 74.0918, 0.2935,
0.5264

■ 71.6735, 0.2969,
0.5887


■ 75.8589, 0.2945,
0.4962

■ 71.6718, 0.2969,
0.5888

■ 78.2038, 0.2964,
0.4644

■ 81.1715, 0.2991,
0.4329

 84.8025, 0.3023,
0.4029

 89.1339, 0.3057,
0.3754

 94.2002, 0.3093,
0.3507

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.



72.8483, 0.4010, 0.5408



72.8483, 0.2937, 0.5530



72.8483, 0.1965, 0.4458

Triad

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



72.8483, 0.2937, 0.5530



72.8483, 0.1403, 0.1662



72.8483, 0.5222, 0.3063

Complementary

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



72.8483, 0.2937, 0.5530



28.9773, 0.3545, 0.1842

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.



72.8483, 0.4182, 0.2388



72.8483, 0.2937, 0.5530



72.8483, 0.1943, 0.1625

Square

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



72.8483, 0.2937, 0.5530



72.8483, 0.1219, 0.2063



72.8483, 0.2906, 0.1878



72.8483, 0.5461, 0.3813

Rectangle

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



72.8483, 0.2937, 0.5530



72.8483, 0.1522, 0.3448



72.8483, 0.2906, 0.1878



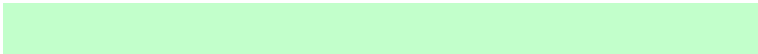
72.8483, 0.4946, 0.2827

Sweetspot

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



72.8512, 0.2937, 0.5530



87.2914, 0.3043, 0.3862



87.6748, 0.3922, 0.5114



18.3583, 0.3031, 0.3961



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.



72.8512, 0.2937, 0.5530



71.8026, 0.2961, 0.5837



75.6733, 0.2559, 0.4233



20.2144, 0.3094, 0.3497



37.4637, 0.2964, 0.5869



3.6605, 0.2915, 0.5695

Inverse Universe

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



28.9773, 0.3545, 0.1842



26.4806, 0.3636, 0.1788



25.0569, 0.4996, 0.2723



18.2488, 0.3162, 0.3092



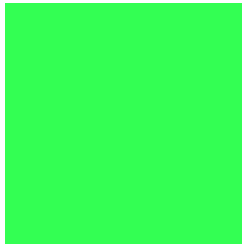
13.6963, 0.3649, 0.1784



1.3461, 0.3590, 0.1752

Previews

White Background



This preview shows how the Yxy color 72.8483, 0.2937, 0.5530 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 72.8483, 0.2937, 0.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

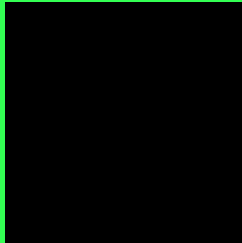
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8483, 0.2937, 0.5530

Background



This preview shows how black text looks on a background with the Yxy color 72.8483, 0.2937, 0.5530.

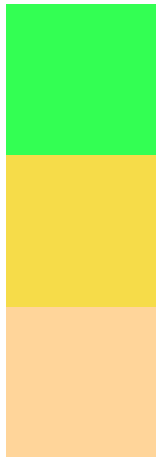


This preview shows how white text looks on a background with the Yxy color 72.8483, 0.2937, 0.5530.

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

72.8483, 0.2937, 0.5530

Protanopia

71.2603, 0.4244, 0.4667

Deuteranopia

71.1816, 0.3880, 0.3898



Tritanopia

72.1483, 0.2422, 0.3077

Trichromacy



Original Color

72.8483, 0.2937, 0.5530



Protanomaly

67.9276, 0.3602, 0.5081



Deuteranomaly

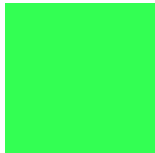
66.8691, 0.3420, 0.4511



Tritanomaly

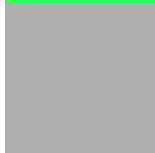
71.1038, 0.2618, 0.3969

Monochromacy



Original Color

72.8483, 0.2937, 0.5530



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.3021, 0.3000, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8483, 0.2937, 0.5530 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 72.8483, 0.2937, 0.5530 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, 83) }
```

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

```
.border{ border-color:rgb(51, 255, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8483, 0.2937, 0.5530 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, 83) }
```

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

```
.background{ background-color: rgb(51, 255,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor