

Converting Colors

$Yxy(73.3433, 0.2943, 0.5425)$

Have a look what the booklet for
Yxy(73.3433, 0.2943, 0.5425)
contains.

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Color

Yxy(73.3653, 0.2943, 0.5431)

Conversions

Conversions Part 1

Format	Color
Hex	40FF5B
RGB	64, 255, 91
RGB Percent	25%, 100%, 36%
CMY	0.7496, 0.0000, 0.6431
CMYK	0.75, 0.00, 0.64, 0.00
HSL	129°, 100%, 63%
HSV	129°, 75%, 100%
XYZ	39.7559, 73.3653, 21.9650
YIQ	179.1950, -61.1920, -91.4960

Conversions

Conversions Part 2

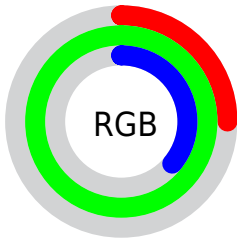
Format	Color
RYB	64, 231, 255
Decimal	4259675
CIELab	88.62, -77.02, 63.09
CIELCh	89, 99.562, 140.682
Yxy	73.3653, 0.2943, 0.5431
Android (android.graphics.Color)	4282449755 (0xFF40FF5B)
YUV	179.1950, -43.4801, -101.0260
Hunter-Lab	85.6535, -67.0434, 44.7531

Details

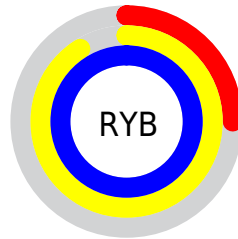
The Yxy color **73.3653, 0.2943, 0.5431** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **30.5029, 0.3485, 0.1863**, and the grayscale version is **45.4256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1156, 0.3023, 0.4628**, and **40.0212, 0.2967, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **72.3702, 0.2949, 0.5669**, and if you desaturate by 10%, it is **74.8512, 0.2947, 0.5144**.

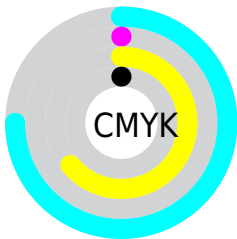
Distribution



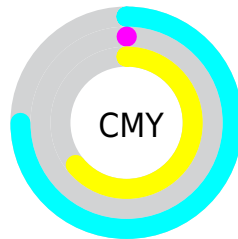
- Red (25%)
- Green (100%)
- Blue (36%)



- Red (25%)
- Yellow (91%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3653, 0.2943, 0.5431 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 73.3653, 0.2943, 0.5431 by changing the saturation by 10% instead.


 73.3653, 0.2943,
0.5431


 73.3653, 0.2943,
0.5431


472.2799, 0.3102,
0.4357


 54.2747, 0.2885,
0.5687

 123.9957, 0.3015,
0.5047


 38.8213, 0.2801,
0.6004


 156.3042, 0.3039,
0.4901

 26.6208, 0.2676,
0.6401


 193.7876, 0.3056,
0.4776

 17.2886, 0.2484,
0.6902

 236.8301, 0.3070,
0.4669

 10.4405, 0.2205,
0.7616

285.8162, 0.3081,
0.4576

 5.6920, 0.1700,
0.8300


341.1303, 0.3090,

 2.6587, 0.0289,


0.4494


0.9711

403.1567, 0.3097,
0.4422


 0.9563, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.3653, 0.2943,
0.5431


 73.3653, 0.2943,
0.5431


 72.3702, 0.2949,
0.5669

 74.8512, 0.2947,
0.5144


 71.8118, 0.2965,
0.5843


 76.8977, 0.2962,
0.4828

 71.6488, 0.2973,
0.5904


 79.5484, 0.2984,
0.4506

 82.8465, 0.3013,
0.4192

 86.8311, 0.3045,
0.3899

 91.5380, 0.3078,
0.3633

 97.0008, 0.3111,
0.3396

 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.



73.3653, 0.3988, 0.5353



73.3653, 0.2943, 0.5431



73.3653, 0.1997, 0.4392

Triad

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



73.3653, 0.2943, 0.5431



73.3653, 0.1453, 0.1705



73.3653, 0.5156, 0.3089

Complementary

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



73.3653, 0.2943, 0.5431



30.5029, 0.3485, 0.1863

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.



73.3653, 0.4163, 0.2425



73.3653, 0.2943, 0.5431



73.3653, 0.1989, 0.1670

Square

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



73.3653, 0.2943, 0.5431



73.3653, 0.1268, 0.2097



73.3653, 0.2932, 0.1922



73.3653, 0.5388, 0.3828

Rectangle

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



73.3653, 0.2943, 0.5431



73.3653, 0.1566, 0.3431



73.3653, 0.2932, 0.1922



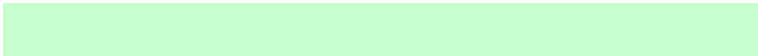
73.3653, 0.4893, 0.2857

Sweetspot

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



73.3607, 0.2943, 0.5431



88.1471, 0.3054, 0.3817



88.6312, 0.3928, 0.5034



18.6085, 0.3045, 0.3892



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.



73.3607, 0.2943, 0.5431



72.0397, 0.2956, 0.5765



76.1042, 0.2578, 0.4209



20.2102, 0.3096, 0.3500



37.4507, 0.2969, 0.5887



3.6585, 0.2922, 0.5721

Inverse Universe

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



30.5029, 0.3485, 0.1863



27.2717, 0.3564, 0.1772



26.6299, 0.4776, 0.2685



18.2534, 0.3160, 0.3089



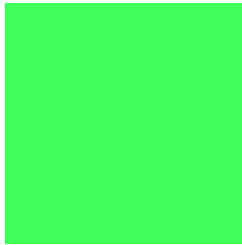
13.7919, 0.3605, 0.1760



1.3545, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 73.3653, 0.2943, 0.5431 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 73.3653, 0.2943, 0.5431 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 73.3653, 0.2943, 0.5431

Background



This preview shows how black text looks on a background with the Yxy color 73.3653, 0.2943, 0.5431.

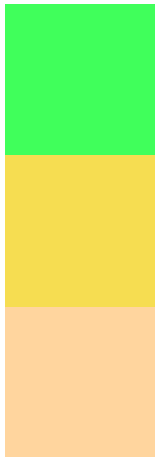


This preview shows how white text looks on a background with the Yxy color 73.3653, 0.2943, 0.5431.

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

73.3653, 0.2943, 0.5431

Protanopia

71.8998, 0.4203, 0.4625

Deuteranopia

71.3171, 0.3851, 0.3857



Tritanopia

72.6137, 0.2446, 0.3078

Trichromacy



Original Color

73.3653, 0.2943, 0.5431



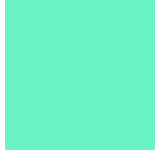
Protanomaly

68.6370, 0.3608, 0.4993



Deuteranomaly

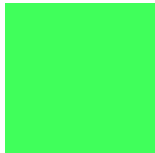
67.5223, 0.3415, 0.4430



Tritanomaly

71.7673, 0.2638, 0.3922

Monochromacy



Original Color

73.3653, 0.2943, 0.5431



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.0506, 0.3017, 0.4144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3653, 0.2943, 0.5431 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(64, 255, 91)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 91)  
}
```

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(64, 255, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 91) }
```

Border

The CSS property to change the border of an element to Yxy 73.3653, 0.2943, 0.5431 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(64, 255, 91) }
```

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

```
.border{ border-color:rgb(64, 255, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3653, 0.2943, 0.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 91) }
```

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

```
.background{ background-color: rgb(64, 255,  
91) }
```

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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