

Converting Colors

$Y_{xy}(76.0510, 0.2933, 0.5261)$

Have a look what the booklet for
Yxy(76.0510, 0.2933, 0.5261)
contains.

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Color

Yxy(74.1384, 0.2931, 0.5246)

Conversions

Conversions Part 1

Format	Color
Hex	4DFF6A
RGB	77, 255, 106
RGB Percent	30%, 100%, 42%
CMY	0.6980, 0.0000, 0.5843
CMYK	0.70, 0.00, 0.58, 0.00
HSL	130°, 100%, 65%
HSV	130°, 70%, 100%
XYZ	41.4220, 74.1384, 25.7633
YIQ	184.7920, -58.2590, -84.0750

Conversions

Conversions Part 2

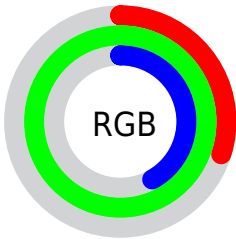
Format	Color
RYB	77, 230, 255
Decimal	5111658
CIELab	88.99, -73.45, 57.31
CIELCh	89, 93.165, 142.036
Yxy	74.1384, 0.2931, 0.5246
Android (android.graphics.Color)	4283301738 (0xFF4DFF6A)
YUV	184.7920, -38.8445, -94.5336
Hunter-Lab	86.1037, -64.8102, 42.5322

Details

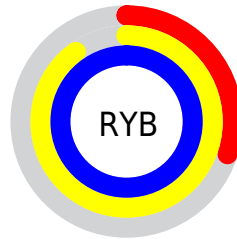
The Yxy color **74.1384, 0.2931, 0.5246** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **32.0579, 0.3497, 0.1946**, and the grayscale version is **48.6380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2963, 0.2998, 0.4439**, and **40.1715, 0.2915, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **72.8873, 0.2933, 0.5513**, and if you desaturate by 10%, it is **75.9154, 0.2941, 0.4944**.

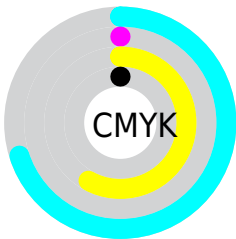
Distribution



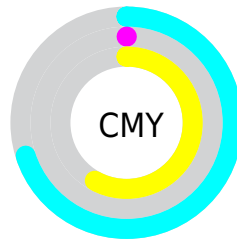
- Red (30%)
- Green (100%)
- Blue (42%)



- Red (30%)
- Yellow (90%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1384, 0.2931, 0.5246 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 74.1384, 0.2931, 0.5246 by changing the saturation by 10% instead.


 74.1384, 0.2931,
0.5246

 74.1384, 0.2931,
0.5246


474.9509, 0.3082,
0.4266


 54.9073, 0.2879,
0.5482


 125.0920, 0.2997,
0.4895


 39.3275, 0.2805,
0.5775


 157.5833, 0.3019,
0.4761

 27.0146, 0.2697,
0.6148


 195.2634, 0.3036,
0.4647

 17.5842, 0.2530,
0.6628

 238.5168, 0.3049,
0.4550

 10.6519, 0.2268,
0.7260

287.7279, 0.3060,
0.4465

 5.8333, 0.1856,
0.8144


343.2810, 0.3069,

 2.7440, 0.0695,


0.4390


0.9305

405.5605, 0.3076,
0.4325


 0.9996, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.1384, 0.2931,
0.5246


 74.1384, 0.2931,
0.5246


 72.8873, 0.2933,
0.5513


 75.9154, 0.2941,
0.4944


 72.1020, 0.2946,
0.5727


 78.2692, 0.2960,
0.4628

 71.6902, 0.2966,
0.5877

 81.2446, 0.2988,
0.4316

 71.6840, 0.2966,
0.5879

 84.8819, 0.3020,
0.4019

 89.2181, 0.3056,
0.3746

 94.2873, 0.3092,
0.3502

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.



74.1384, 0.3925, 0.5256



74.1384, 0.2931, 0.5246



74.1384, 0.2039, 0.4252

Triad

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



74.1384, 0.2931, 0.5246



74.1384, 0.1551, 0.1780



74.1384, 0.5052, 0.3148

Complementary

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



74.1384, 0.2931, 0.5246



32.0579, 0.3497, 0.1946

Split Complementary

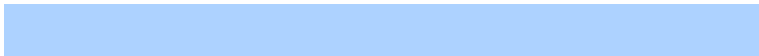
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1384, 0.4149, 0.2502



74.1384, 0.2931, 0.5246



74.1384, 0.2086, 0.1755

Square

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



74.1384, 0.2931, 0.5246



74.1384, 0.1359, 0.2147



74.1384, 0.2998, 0.2009



74.1384, 0.5253, 0.3864

Rectangle

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



74.1384, 0.2931, 0.5246



74.1384, 0.1634, 0.3375



74.1384, 0.2998, 0.2009



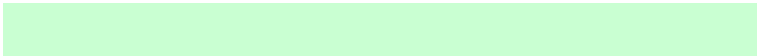
74.1384, 0.4815, 0.2922

Sweetspot

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



74.1384, 0.2931, 0.5246



88.6619, 0.3052, 0.3777



88.5988, 0.3881, 0.4970



18.7108, 0.3042, 0.3851



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.



74.1384, 0.2931, 0.5246



72.5051, 0.2937, 0.5610



76.9345, 0.2576, 0.4094



20.2164, 0.3093, 0.3495



37.4706, 0.2961, 0.5860



3.6614, 0.2912, 0.5682

Inverse Universe

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



32.0579, 0.3497, 0.1946



28.0043, 0.3586, 0.1827



28.4402, 0.4649, 0.2722



18.2465, 0.3163, 0.3093



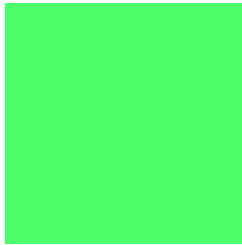
13.6497, 0.3671, 0.1796



1.3420, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 74.1384, 0.2931, 0.5246 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 74.1384, 0.2931, 0.5246 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 74.1384, 0.2931, 0.5246

Background



This preview shows how black text looks on a background with the Yxy color 74.1384, 0.2931, 0.5246.

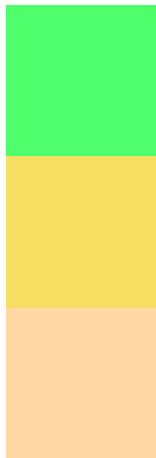


This preview shows how white text looks on a background with the Yxy color 74.1384, 0.2931, 0.5246.

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

74.1384, 0.2931, 0.5246

Protanopia

72.6799, 0.4126, 0.4528

Deuteranopia

72.5412, 0.3800, 0.3816



Tritanopia

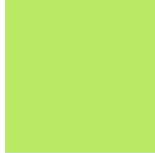
73.1916, 0.2475, 0.3080

Trichromacy



Original Color

74.1384, 0.2931, 0.5246



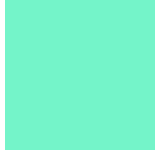
Protanomaly

70.0800, 0.3576, 0.4844



Deuteranomaly

69.5239, 0.3394, 0.4330



Tritanomaly

72.6314, 0.2645, 0.3836

Monochromacy



Original Color

74.1384, 0.2931, 0.5246



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6045, 0.3022, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1384, 0.2931, 0.5246 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(77, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 106)  
}
```

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(77, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 106) }
```

Border

The CSS property to change the border of an element to Yxy 74.1384, 0.2931, 0.5246 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(77, 255, 106) }
```

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

```
.border{ border-color:rgb(77, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1384, 0.2931, 0.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 106) }
```

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

```
.background{ background-color: rgb(77, 255,  
106) }
```

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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