

Converting Colors

$Y_{xy}(74.5947, 0.2930, 0.5157)$

Have a look what the booklet for
Yxy(74.5947, 0.2930, 0.5157)
contains.

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Color

Yxy(74.5971, 0.2928, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	54FF71
RGB	84, 255, 113
RGB Percent	33%, 100%, 44%
CMY	0.6708, 0.0000, 0.5567
CMYK	0.67, 0.00, 0.56, 0.00
HSL	130°, 100%, 66%
HSV	130°, 67%, 100%
XYZ	42.3952, 74.5971, 27.8002
YIQ	187.6830, -56.3340, -80.4140

Conversions

Conversions Part 2

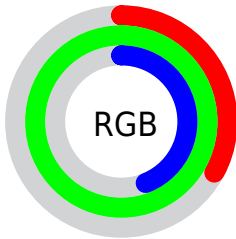
Format	Color
RYB	84, 230, 255
Decimal	5570417
CIELab	89.20, -71.44, 54.51
CIELCh	89, 89.856, 142.656
Yxy	74.5971, 0.2928, 0.5152
Android (android.graphics.Color)	4283760497 (0xFF54FF71)
YUV	187.6830, -36.8187, -90.9300
Hunter-Lab	86.3696, -63.5286, 41.3748

Details

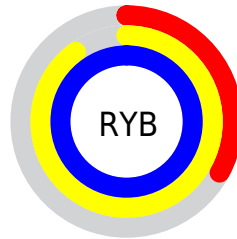
The Yxy color **74.5971, 0.2928, 0.5152** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **33.0780, 0.3493, 0.1988**, and the grayscale version is **50.3303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0226, 0.2990, 0.4343**, and **40.2483, 0.2890, 0.5604** is the 20% darker color. If you saturate the color by 10%, you get **73.2037, 0.2927, 0.5430**, and if you desaturate by 10%, it is **76.5268, 0.2941, 0.4846**.

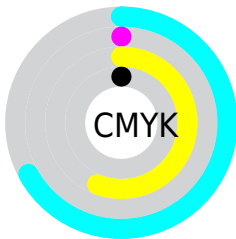
Distribution



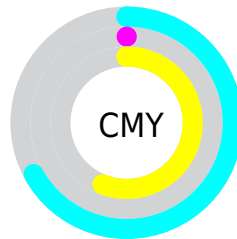
- Red (33%)
- Green (100%)
- Blue (44%)



- Red (33%)
- Yellow (90%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5971, 0.2928, 0.5152 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 74.5971, 0.2928, 0.5152 by changing the saturation by 10% instead.


 74.5971, 0.2928,
0.5152

 74.5971, 0.2928,
0.5152


476.5316, 0.3074,
0.4221


 55.2829, 0.2879,
0.5376


 125.7419, 0.2991,
0.4818


 39.6283, 0.2810,
0.5657

 158.3412, 0.3012,
0.4691

 27.2488, 0.2709,
0.6015


 196.1377, 0.3028,
0.4583

 17.7602, 0.2555,
0.6480

 239.5158, 0.3041,
0.4490

 10.7779, 0.2309,
0.7089

288.8598, 0.3052,
0.4409

 5.9177, 0.1945,
0.8055


344.5542, 0.3061,

 2.7951, 0.0901,


0.4339


0.9099


406.9833, 0.3068,
0.4276


 1.0257, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.5971, 0.2928,
0.5152


 74.5971, 0.2928,
0.5152


 73.2037, 0.2927,
0.5430

 76.5268, 0.2941,
0.4846


 72.2939, 0.2938,
0.5661

 79.0456, 0.2963,
0.4531

 71.7946, 0.2958,
0.5831

 82.1956, 0.2993,
0.4224

 71.6972, 0.2964,
0.5869

 86.0157, 0.3027,
0.3936

 90.5421, 0.3064,
0.3673

 95.8079, 0.3101,
0.3439

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.



74.5971, 0.3895, 0.5200



74.5971, 0.2928, 0.5152



74.5971, 0.2065, 0.4188

Triad

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



74.5971, 0.2928, 0.5152



74.5971, 0.1603, 0.1821



74.5971, 0.4994, 0.3175

Complementary

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



74.5971, 0.2928, 0.5152



33.0780, 0.3493, 0.1988

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.



74.5971, 0.4135, 0.2540



74.5971, 0.2928, 0.5152



74.5971, 0.2134, 0.1801

Square

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



74.5971, 0.2928, 0.5152



74.5971, 0.1408, 0.2176



74.5971, 0.3028, 0.2054



74.5971, 0.5181, 0.3878

Rectangle

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



74.5971, 0.2928, 0.5152



74.5971, 0.1673, 0.3353



74.5971, 0.3028, 0.2054



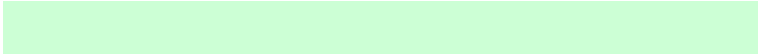
74.5971, 0.4769, 0.2953

Sweetspot

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



74.5958, 0.2928, 0.5152



89.1451, 0.3053, 0.3747



88.4076, 0.3846, 0.4936



18.8055, 0.3043, 0.3821



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.



74.5958, 0.2928, 0.5152



72.8910, 0.2929, 0.5503



77.4788, 0.2572, 0.4018



20.2186, 0.3092, 0.3493



37.4780, 0.2958, 0.5849



3.6625, 0.2908, 0.5668

Inverse Universe

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



33.0780, 0.3493, 0.1988



28.8105, 0.3579, 0.1862



29.5146, 0.4599, 0.2758



18.2442, 0.3164, 0.3095



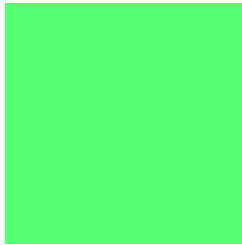
13.6021, 0.3694, 0.1808



1.3378, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 74.5971, 0.2928, 0.5152 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 74.5971, 0.2928, 0.5152 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

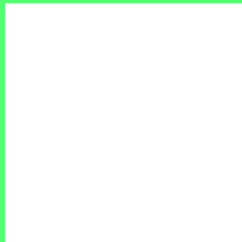
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.5971, 0.2928, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 74.5971, 0.2928, 0.5152.

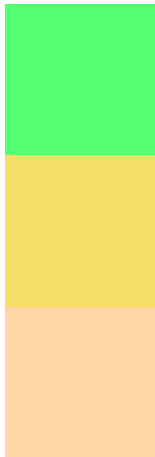


This preview shows how white text looks on a background with the Yxy color 74.5971, 0.2928, 0.5152.

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

74.5971, 0.2928, 0.5152

Protanopia

72.8147, 0.4090, 0.4474

Deuteranopia

72.6509, 0.3778, 0.3785



Tritanopia

74.1199, 0.2494, 0.3093

Trichromacy



Original Color

74.5971, 0.2928, 0.5152



Protanomaly

70.4720, 0.3557, 0.4769



Deuteranomaly

70.0377, 0.3392, 0.4276



Tritanomaly

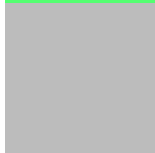
73.0781, 0.2657, 0.3806

Monochromacy



Original Color

74.5971, 0.2928, 0.5152



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.1442, 0.3018, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5971, 0.2928, 0.5152 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(84, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 113)  
}
```

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(84, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 74.5971, 0.2928, 0.5152 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(84, 255, 113) }
```

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

```
.border{ border-color:rgb(84, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5971, 0.2928, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 113) }
```

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

```
.background{ background-color: rgb(84, 255,  
113) }
```

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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