

Converting Colors

$Y_{xy}(75.0066, 0.2840, 0.4900)$

Have a look what the booklet for
Yxy(75.0066, 0.2840, 0.4900)
contains.

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Color

Yxy(74.9906, 0.2837, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	51FF86
RGB	81, 255, 134
RGB Percent	32%, 100%, 53%
CMY	0.6820, 0.0000, 0.4744
CMYK	0.68, 0.00, 0.47, 0.00
HSL	138°, 100%, 66%
HSV	138°, 68%, 100%
XYZ	43.4624, 74.9906, 34.7454
YIQ	189.1800, -64.8630, -74.5190

Conversions

Conversions Part 2

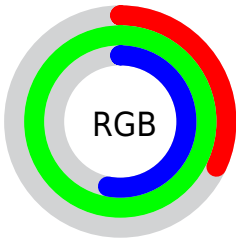
Format	Color
RYB	81, 214, 255
Decimal	5373830
CIELab	89.39, -69.05, 45.03
CIELCh	89, 82.440, 146.889
Yxy	74.9906, 0.2837, 0.4895
Android (android.graphics.Color)	4283563910 (0xFF51FF86)
YUV	189.1800, -27.2037, -94.8739
Hunter-Lab	86.5971, -61.9573, 36.8290

Details

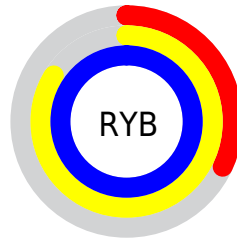
The Yxy color **74.9906, 0.2837, 0.4895** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **31.4230, 0.3774, 0.2162**, and the grayscale version is **51.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5837, 0.2870, 0.4083**, and **40.5417, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **73.6153, 0.2838, 0.5154**, and if you desaturate by 10%, it is **76.8779, 0.2853, 0.4624**.

Distribution



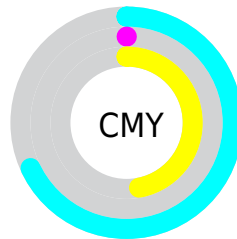
- Red (32%)
- Green (100%)
- Blue (53%)



- Red (32%)
- Yellow (84%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9906, 0.2837, 0.4895 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 74.9906, 0.2837, 0.4895 by changing the saturation by 10% instead.

 74.9906, 0.2837,
0.4895


 74.9906, 0.2837,
0.4895

477.8853, 0.3010,
0.4093

 55.6052, 0.2787,
0.5090


 126.2991, 0.2905,
0.4606


 39.8865, 0.2720,
0.5337


 158.9909, 0.2929,
0.4497

 27.4500, 0.2625,
0.5656


 196.8870, 0.2949,
0.4404

 17.9115, 0.2487,
0.6079

 240.3717, 0.2965,
0.4324

 10.8865, 0.2272,
0.6658

289.8296, 0.2979,
0.4255

 5.9905, 0.1946,
0.7557

345.6448, 0.2991,

 2.8393, 0.1110,

0.4194

0.8890

408.2019, 0.3001,
0.4141

■ 1.0484, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.9906, 0.2837,
0.4895

■ 74.9906, 0.2837,
0.4895

■ 73.6153, 0.2838,
0.5154

■ 76.8779, 0.2853,
0.4624

■ 72.6884, 0.2856,
0.5388


■ 79.3141, 0.2882,
0.4355

■ 72.1398, 0.2888,
0.5586

■ 82.3433, 0.2923,
0.4096

■ 72.0637, 0.2894,
0.5618

■ 86.0022, 0.2972,
0.3854

 90.3248, 0.3025,
0.3633

 95.3424, 0.3081,
0.3435

99.9990, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9906, 0.3741, 0.5089



74.9906, 0.2837, 0.4895



74.9906, 0.2060, 0.3949

Triad

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



74.9906, 0.2837, 0.4895



74.9906, 0.1753, 0.1900



74.9906, 0.4908, 0.3292

Complementary

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



74.9906, 0.2837, 0.4895



31.4230, 0.3774, 0.2162

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.



74.9906, 0.4191, 0.2675



74.9906, 0.2837, 0.4895



74.9906, 0.2306, 0.1915

Square

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



74.9906, 0.2837, 0.4895



74.9906, 0.1525, 0.2195



74.9906, 0.3181, 0.2189



74.9906, 0.5005, 0.3966

Rectangle

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



74.9906, 0.2837, 0.4895



74.9906, 0.1722, 0.3210



74.9906, 0.3181, 0.2189



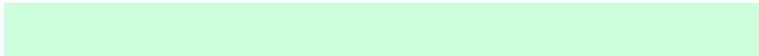
74.9906, 0.4729, 0.3078

Sweetspot

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



74.9937, 0.2837, 0.4895



89.4996, 0.3015, 0.3671



84.7859, 0.3691, 0.5061



18.8892, 0.3000, 0.3732



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.



74.9937, 0.2837, 0.4895



73.2146, 0.2843, 0.5246



78.4505, 0.2472, 0.3721



20.2592, 0.3074, 0.3460



37.6785, 0.2886, 0.5589



3.6871, 0.2824, 0.5366

Inverse Universe

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



31.4230, 0.3774, 0.2162



26.9830, 0.3955, 0.2066



28.4140, 0.4971, 0.2984



18.2006, 0.3185, 0.3126



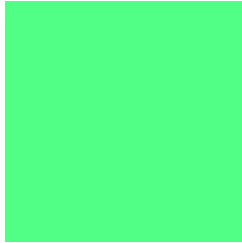
12.8031, 0.4165, 0.2068



1.2661, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 74.9906, 0.2837, 0.4895 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 74.9906, 0.2837, 0.4895 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 74.9906, 0.2837, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 74.9906, 0.2837, 0.4895.

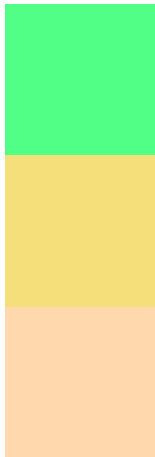


This preview shows how white text looks on a background with the Yxy color 74.9906, 0.2837, 0.4895.

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

74.9906, 0.2837, 0.4895

Protanopia

73.5930, 0.3969, 0.4324

Deuteranopia

73.3889, 0.3731, 0.3734



Tritanopia

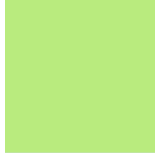
74.2087, 0.2499, 0.3093

Trichromacy



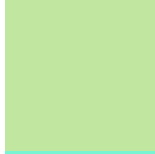
Original Color

74.9906, 0.2837, 0.4895



Protanomaly

71.2373, 0.3442, 0.4584



Deuteranomaly

70.3033, 0.3311, 0.4135



Tritanomaly

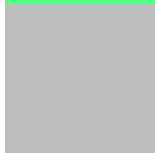
73.3976, 0.2615, 0.3701

Monochromacy



Original Color

74.9906, 0.2837, 0.4895



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9371, 0.2967, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9906, 0.2837, 0.4895 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(81, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 134)  
}
```

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(81, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 134) }
```

Border

The CSS property to change the border of an element to Yxy 74.9906, 0.2837, 0.4895 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(81, 255, 134) }
```

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

```
.border{ border-color:rgb(81, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9906, 0.2837, 0.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 134) }
```

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

```
.background{ background-color: rgb(81, 255,  
134) }
```

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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