

Converting Colors

Yxy(74.9453, 0.2899, 0.5028)

Have a look what the booklet for
Yxy(74.9453, 0.2899, 0.5028)
contains.

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Color

Yxy(74.9763, 0.2900, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	57FF7B
RGB	87, 255, 123
RGB Percent	34%, 100%, 48%
CMY	0.6591, 0.0000, 0.5175
CMYK	0.66, 0.00, 0.52, 0.00
HSL	133°, 100%, 67%
HSV	133°, 66%, 100%
XYZ	43.2613, 74.9763, 30.9393
YIQ	189.7200, -57.7560, -76.6680

Conversions

Conversions Part 2

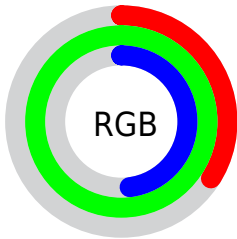
Format	Color
RYB	87, 225, 255
Decimal	5767035
CIELab	89.38, -69.62, 50.21
CIELCh	89, 85.835, 144.202
Yxy	74.9763, 0.2900, 0.5026
Android (android.graphics.Color)	4283957115 (0xFF57FF7B)
YUV	189.7200, -32.8930, -90.0854
Hunter-Lab	86.5889, -62.3488, 39.4271

Details

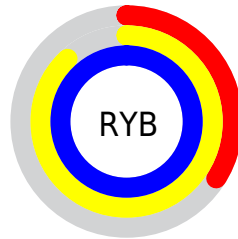
The Yxy color **74.9763, 0.2900, 0.5026** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **33.1721, 0.3568, 0.2062**, and the grayscale version is **51.5277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5067, 0.2945, 0.4217**, and **40.3747, 0.2850, 0.5462** is the 20% darker color. If you saturate the color by 10%, you get **73.5049, 0.2898, 0.5305**, and if you desaturate by 10%, it is **76.9771, 0.2915, 0.4728**.

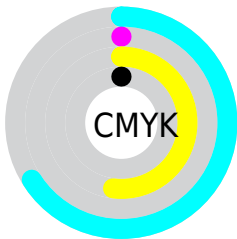
Distribution



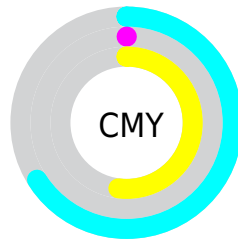
- Red (34%)
- Green (100%)
- Blue (48%)



- Red (34%)
- Yellow (88%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)



- Cyan (66%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9763, 0.2900, 0.5026 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 74.9763, 0.2900, 0.5026 by changing the saturation by 10% instead.

 74.9763, 0.2900,
0.5026

 74.9763, 0.2900,
0.5026


477.8361, 0.3051,
0.4159

 55.5935, 0.2852,
0.5236


 126.2788, 0.2963,
0.4714

 39.8771, 0.2787,
0.5500

 158.9673, 0.2984,
0.4596

 27.4427, 0.2692,
0.5839


 196.8598, 0.3001,
0.4496

 17.9060, 0.2549,
0.6283

 240.3407, 0.3015,
0.4409

 10.8825, 0.2324,
0.6878

289.7943, 0.3026,
0.4334

 5.9879, 0.2017,
0.7941


345.6052, 0.3036,

 2.8377, 0.1070,


0.4268

0.8930


408.1577, 0.3044,
0.4210


 1.0476, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9763, 0.2900,
0.5026

 74.9763, 0.2900,
0.5026

 73.5049, 0.2898,
0.5305

 76.9771, 0.2915,
0.4728

 72.5180, 0.2910,
0.5547


 79.5634, 0.2941,
0.4428


 71.9457, 0.2934,
0.5738

 82.7738, 0.2976,
0.4139

 71.7938, 0.2945,
0.5801

 86.6460, 0.3016,
0.3870

 91.2146, 0.3058,
0.3625

 96.5120, 0.3102,
0.3407

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.



74.9763, 0.3833, 0.5136



74.9763, 0.2900, 0.5026



74.9763, 0.2078, 0.4083

Triad

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



74.9763, 0.2900, 0.5026



74.9763, 0.1675, 0.1867



74.9763, 0.4937, 0.3223

Complementary

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



74.9763, 0.2900, 0.5026



33.1721, 0.3568, 0.2062

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.



74.9763, 0.4144, 0.2600



74.9763, 0.2900, 0.5026



74.9763, 0.2210, 0.1859

Square

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



74.9763, 0.2900, 0.5026



74.9763, 0.1470, 0.2198



74.9763, 0.3088, 0.2118



74.9763, 0.5090, 0.3910

Rectangle

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



74.9763, 0.2900, 0.5026



74.9763, 0.1709, 0.3299



74.9763, 0.3088, 0.2118



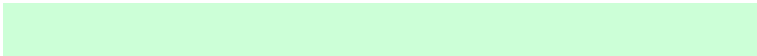
74.9763, 0.4732, 0.3006

Sweetspot

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



74.9732, 0.2900, 0.5026



89.2614, 0.3041, 0.3722



87.6393, 0.3800, 0.4940



18.8329, 0.3029, 0.3791



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.



74.9732, 0.2900, 0.5026



73.1518, 0.2900, 0.5384



77.9297, 0.2552, 0.3927



20.2320, 0.3086, 0.3482



37.5314, 0.2938, 0.5777



3.6695, 0.2883, 0.5578

Inverse Universe

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



33.1721, 0.3568, 0.2062



28.5960, 0.3681, 0.1936



29.8795, 0.4638, 0.2818



18.2296, 0.3171, 0.3105



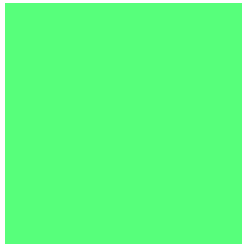
13.3161, 0.3842, 0.1890



1.3124, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 74.9763, 0.2900, 0.5026 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 74.9763, 0.2900, 0.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

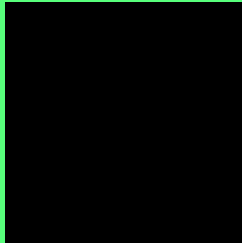
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9763, 0.2900, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 74.9763, 0.2900, 0.5026.

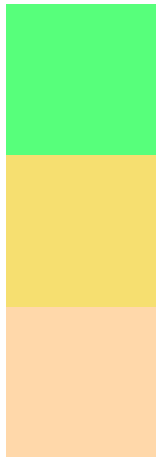


This preview shows how white text looks on a background with the Yxy color 74.9763, 0.2900, 0.5026.

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

74.9763, 0.2900, 0.5026

Protanopia

73.5380, 0.4035, 0.4408

Deuteranopia

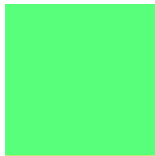
73.2740, 0.3753, 0.3764



Tritanopia

74.3888, 0.2508, 0.3093

Trichromacy



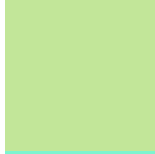
Original Color

74.9763, 0.2900, 0.5026



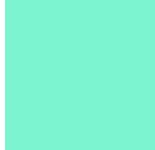
Protanomaly

71.3690, 0.3516, 0.4682



Deuteranomaly

70.3629, 0.3363, 0.4203



Tritanomaly

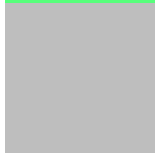
73.4914, 0.2651, 0.3752

Monochromacy



Original Color

74.9763, 0.2900, 0.5026



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6186, 0.3007, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9763, 0.2900, 0.5026 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(87, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 123)  
}
```

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(87, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 74.9763, 0.2900, 0.5026 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(87, 255, 123) }
```

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

```
.border{ border-color:rgb(87, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 255, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 255, 123); box-shadow:4px 4px 4px 4px rgb(87, 255, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9763, 0.2900, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 123) }
```

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

```
.background{ background-color: rgb(87, 255,  
123) }
```

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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