

Converting Colors

$Y_{xy}(74.1078, 0.2870, 0.4853)$

Have a look what the booklet for
Yxy(74.1078, 0.2870, 0.4853)
contains.

Yxy(74.2751, 0.2868, 0.4850)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.2751, 0.2868, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	5CFD87
RGB	92, 253, 135
RGB Percent	36%, 99%, 53%
CMY	0.6387, 0.0079, 0.4705
CMYK	0.64, 0.00, 0.47, 0.01
HSL	136°, 98%, 68%
HSV	136°, 64%, 99%
XYZ	43.9219, 74.2751, 34.9476
YIQ	191.4090, -58.0780, -70.8300

Conversions

Conversions Part 2

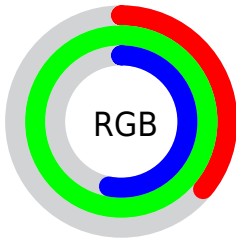
Format	Color
RYB	92, 219, 253
Decimal	6094215
CIELab	89.05, -66.25, 44.19
CIELCh	89, 79.636, 146.297
Yxy	74.2751, 0.2868, 0.4850
Android (android.graphics.Color)	4284284295 (0xFF5CFD87)
YUV	191.4090, -27.8096, -87.1817
Hunter-Lab	86.1830, -59.8505, 36.2857

Details

The Yxy color **74.2751, 0.2868, 0.4850** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **33.2158, 0.3643, 0.2161**, and the grayscale version is **52.5615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4058, 0.2906, 0.4062**, and **39.6547, 0.2793, 0.5255** is the 20% darker color. If you saturate the color by 10%, you get **72.7055, 0.2862, 0.5125**, and if you desaturate by 10%, it is **76.3768, 0.2888, 0.4566**.

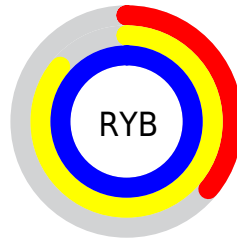
Distribution



Red (36%)

Green (99%)

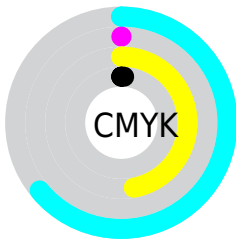
Blue (53%)



Red (36%)

Yellow (86%)

Blue (99%)

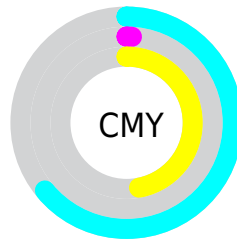


Cyan (64%)

Magenta (0%)

Yellow (47%)

Black (1%)



Cyan (64%)


Magenta (1%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2751, 0.2868, 0.4850 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 74.2751, 0.2868, 0.4850 by changing the saturation by 10% instead.


 74.2751, 0.2868,
0.4850


 74.2751, 0.2868,
0.4850


475.4223, 0.3025,
0.4071

 55.0192, 0.2822,
0.5040

 125.2857, 0.2930,
0.4569

 39.4171, 0.2760,
0.5280


 157.8092, 0.2952,
0.4463

 27.0844, 0.2672,
0.5590


 195.5241, 0.2970,
0.4373

 17.6366, 0.2542,
0.6003

 238.8147, 0.2985,
0.4295

 10.6894, 0.2338,
0.6570

288.0654, 0.2997,
0.4228

 5.8584, 0.2025,
0.7450


343.6606, 0.3008,

 2.7592, 0.1231,


0.4169


0.8769


405.9848, 0.3017,
0.4117


 1.0073, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2751, 0.2868,
0.4850


 74.2751, 0.2868,
0.4850


 72.7055, 0.2862,
0.5125


 76.3768, 0.2888,
0.4566


 71.6091, 0.2872,
0.5376


 79.0450, 0.2921,
0.4286


 70.9285, 0.2897,
0.5589

 82.3215, 0.2962,
0.4020

 70.6574, 0.2917,
0.5702

 86.2415, 0.3008,
0.3775

 90.8378, 0.3058,
0.3553

 96.1405, 0.3109,
0.3355

 98.7267, 0.3128,
0.3271

Harmonies

Analogous

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



74.2751, 0.3750, 0.5032



74.2751, 0.2868, 0.4850



74.2751, 0.2104, 0.3950

Triad

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



74.2751, 0.2868, 0.4850



74.2751, 0.1779, 0.1938



74.2751, 0.4846, 0.3286

Complementary

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



74.2751, 0.2868, 0.4850



33.2158, 0.3643, 0.2161

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.



74.2751, 0.4141, 0.2682



74.2751, 0.2868, 0.4850



74.2751, 0.2315, 0.1945

Square

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



74.2751, 0.2868, 0.4850



74.2751, 0.1562, 0.2236



74.2751, 0.3162, 0.2209



74.2751, 0.4959, 0.3945

Rectangle

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



74.2751, 0.2868, 0.4850



74.2751, 0.1767, 0.3237



74.2751, 0.3162, 0.2209



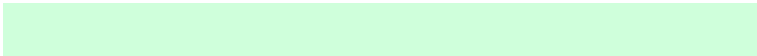
74.2751, 0.4668, 0.3076

Sweetspot

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



74.2782, 0.2868, 0.4850



89.8598, 0.3031, 0.3670



85.1344, 0.3730, 0.4928



18.9551, 0.3017, 0.3735



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.



74.2782, 0.2868, 0.4850



73.7078, 0.2863, 0.5189



77.3212, 0.2528, 0.3793



20.2477, 0.3079, 0.3469



37.6097, 0.2910, 0.5676



3.6791, 0.2850, 0.5460

Inverse Universe

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



33.2158, 0.3643, 0.2161



28.9464, 0.3780, 0.2036



30.2328, 0.4667, 0.2907



18.2128, 0.3179, 0.3117



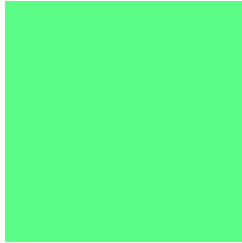
13.0099, 0.4025, 0.1991



1.2849, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 74.2751, 0.2868, 0.4850 looks on a white background.

Color Contrast Check

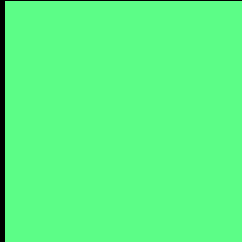
Large Text (above 18pt) WCAG AA × Fail

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 74.2751, 0.2868, 0.4850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

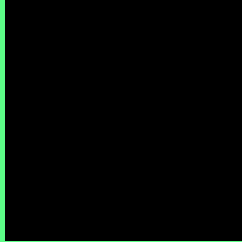
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.2751, 0.2868, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 74.2751, 0.2868, 0.4850.



This preview shows how white text looks on a background with the Yxy color 74.2751, 0.2868, 0.4850.

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

74.2751, 0.2868, 0.4850

Protanopia

72.9309, 0.3954, 0.4300

Deuteranopia

72.8012, 0.3749, 0.3744



Tritanopia

73.4511, 0.2488, 0.3081

Trichromacy



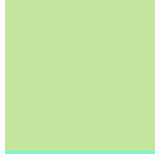
Original Color

74.2751, 0.2868, 0.4850



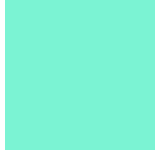
Protanomaly

70.6552, 0.3465, 0.4532



Deuteranomaly

70.2430, 0.3348, 0.4129



Tritanomaly

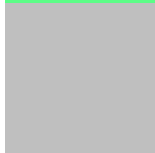
73.0153, 0.2625, 0.3688

Monochromacy



Original Color

74.2751, 0.2868, 0.4850



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.0020, 0.2989, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2751, 0.2868, 0.4850 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(92, 253, 135)` looks like.

```
.text, #text, p{  
    color:rgb(92, 253, 135)  
}
```

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(92, 253, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 253, 135) }
```

Border

The CSS property to change the border of an element to Yxy 74.2751, 0.2868, 0.4850 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(92, 253, 135) }
```

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

```
.border{ border-color:rgb(92, 253, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 253, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 253, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 253, 135);  
box-shadow:4px 4px 4px 4px rgb(92, 253,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2751, 0.2868, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 253, 135) }
```

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

```
.background{ background-color: rgb(92, 253,  
135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor