

Converting Colors

$Yxy(77.0716, 0.2847, 0.4935)$

Have a look what the booklet for
Yxy(77.0716, 0.2847, 0.4935)
contains.

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Color

Yxy(75.0073, 0.2844, 0.4907)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 52FF85 |
| RGB | 82, 255, 133 |
| RGB Percent | 32%, 100%, 52% |
| CMY | 0.6785, 0.0000, 0.4784 |
| CMYK | 0.68, 0.00, 0.48, 0.00 |
| HSL | 138°, 100%, 66% |
| HSV | 138°, 68%, 100% |
| XYZ | 43.4727, 75.0073, 34.3777 |
| YIQ | 189.3650, -63.9460, -74.6180 |

Conversions

Conversions Part 2

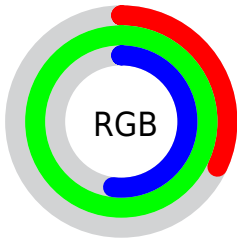
| Format | Color |
|-------------------------------------|--|
| RYB | 82, 216, 255 |
| Decimal | 5439365 |
| CIELab | 89.40, -69.06, 45.53 |
| CIELCh | 89, 82.716, 146.602 |
| Yxy | 75.0073, 0.2844, 0.4907 |
| Android (android.graphics.Color) | 4283629445 (0xFF52FF85) |
| YUV | 189.3650, -27.7879, -94.1591 |
| Hunter-Lab | 86.6068, -61.9627, 37.0901 |

Details

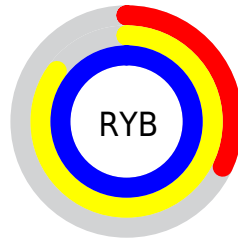
The Yxy color **75.0073, 0.2844, 0.4907** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **31.6523, 0.3749, 0.2151**, and the grayscale version is **51.2970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6349, 0.2880, 0.4095**, and **40.5266, 0.2806, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **73.6134, 0.2845, 0.5168**, and if you desaturate by 10%, it is **76.9103, 0.2860, 0.4633**.

Distribution



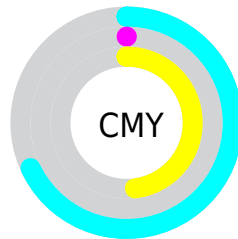
- Red (32%)
- Green (100%)
- Blue (52%)



- Red (32%)
- Yellow (85%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0073, 0.2844, 0.4907 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 75.0073, 0.2844, 0.4907 by changing the saturation by 10% instead.

 75.0073, 0.2844,
0.4907


 75.0073, 0.2844,
0.4907


477.9427, 0.3014,
0.4099


 55.6189, 0.2794,
0.5104


 126.3227, 0.2911,
0.4616

 39.8974, 0.2727,
0.5352


 159.0184, 0.2935,
0.4506

 27.4586, 0.2633,
0.5673


 196.9188, 0.2955,
0.4412

 17.9179, 0.2495,
0.6098

 240.4081, 0.2971,
0.4332

 10.8911, 0.2280,
0.6678

289.8707, 0.2984,
0.4262

 5.9936, 0.1954,
0.7589


345.6911, 0.2996,

 2.8412, 0.1111,

0.4201

0.8889


408.2536, 0.3005,
0.4147


 1.0494, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.0073, 0.2844,
0.4907


 75.0073, 0.2844,
0.4907

 73.6134, 0.2845,
0.5168


 76.9103, 0.2860,
0.4633


 72.6751, 0.2862,
0.5404


 79.3692, 0.2889,
0.4360


 72.1209, 0.2893,
0.5602

 82.4247, 0.2929,
0.4098

 72.0306, 0.2900,
0.5640

 86.1137, 0.2977,
0.3853

 90.4700, 0.3030,
0.3630

 95.5251, 0.3084,
0.3431

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.



75.0073, 0.3751, 0.5093



75.0073, 0.2844, 0.4907



75.0073, 0.2063, 0.3962

Triad

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



75.0073, 0.2844, 0.4907



75.0073, 0.1746, 0.1898



75.0073, 0.4909, 0.3285

Complementary

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



75.0073, 0.2844, 0.4907



31.6523, 0.3749, 0.2151

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.



75.0073, 0.4185, 0.2668



75.0073, 0.2844, 0.4907



75.0073, 0.2297, 0.1910

Square

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



75.0073, 0.2844, 0.4907



75.0073, 0.1520, 0.2196



75.0073, 0.3171, 0.2182



75.0073, 0.5013, 0.3960

Rectangle

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



75.0073, 0.2844, 0.4907



75.0073, 0.1722, 0.3220



75.0073, 0.3171, 0.2182



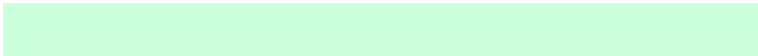
75.0073, 0.4728, 0.3071

Sweetspot

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



75.0071, 0.2844, 0.4907



89.4738, 0.3018, 0.3676



85.2481, 0.3710, 0.5041



18.8831, 0.3003, 0.3738



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.



75.0071, 0.2844, 0.4907



73.2711, 0.2848, 0.5246



78.3500, 0.2485, 0.3757



20.2563, 0.3075, 0.3462



37.6601, 0.2892, 0.5612



3.6850, 0.2831, 0.5390

Inverse Universe

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



31.6523, 0.3749, 0.2151



27.3102, 0.3915, 0.2053



28.6367, 0.4915, 0.2956



18.2037, 0.3183, 0.3124



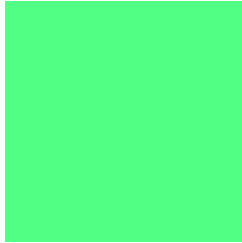
12.8541, 0.4129, 0.2048



1.2707, 0.3999, 0.1976

Previews

White Background



This preview shows how the Yxy color 75.0073, 0.2844, 0.4907 looks on a white background.

Color Contrast Check

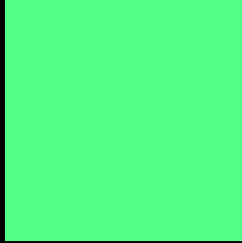
Large Text (above 18pt) WCAG AA × Fail

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 75.0073, 0.2844, 0.4907 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 75.0073, 0.2844, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 75.0073, 0.2844, 0.4907.

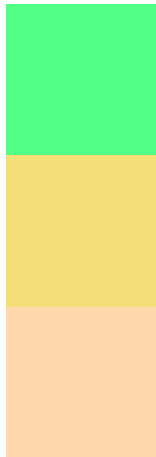


This preview shows how white text looks on a background with the Yxy color 75.0073, 0.2844, 0.4907.

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

75.0073, 0.2844, 0.4907

Protanopia

73.5683, 0.3975, 0.4333

Deuteranopia

73.3889, 0.3731, 0.3734



Tritanopia

74.2984, 0.2503, 0.3093

Trichromacy



Original Color

75.0073, 0.2844, 0.4907



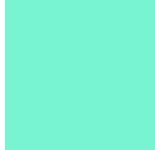
Protanomaly

71.3364, 0.3454, 0.4592



Deuteranomaly

70.2687, 0.3318, 0.4148



Tritanomaly

73.4695, 0.2619, 0.3701

Monochromacy



Original Color

75.0073, 0.2844, 0.4907



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 75.0073, 0.2844, 0.4907 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(82, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 133)  
}
```

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(82, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 75.0073, 0.2844, 0.4907 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(82, 255, 133) }
```

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

```
.border{ border-color:rgb(82, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0073, 0.2844, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 133) }
```

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

```
.background{ background-color: rgb(82, 255,  
133) }
```

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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