

Converting Colors

$Y_{xy}(75.2641, 0.2600, 0.4376)$

Have a look what the booklet for
Yxy(75.2641, 0.2600, 0.4376)
contains.

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Color

Yxy(75.2798, 0.2599, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	33FFAE
RGB	51, 255, 174
RGB Percent	20%, 100%, 68%
CMY	0.7993, 0.0000, 0.3176
CMYK	0.80, 0.00, 0.32, 0.00
HSL	156°, 100%, 60%
HSV	156°, 80%, 100%
XYZ	44.7717, 75.2798, 52.2135
YIQ	184.7700, -95.5830, -68.4390

Conversions

Conversions Part 2

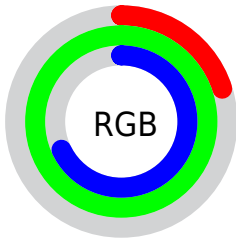
Format	Color
RYB	51, 178, 255
Decimal	3407790
CIELab	89.52, -65.81, 25.39
CIELCh	90, 70.536, 158.900
Yxy	75.2798, 0.2599, 0.4370
Android (android.graphics.Color)	4281597870 (0xFF33FFAE)
YUV	184.7700, -5.3096, -117.3163
Hunter-Lab	86.7639, -59.7278, 25.0547

Details

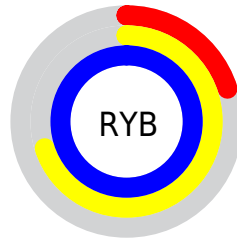
The Yxy color **75.2798, 0.2599, 0.4370** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.3144, 0.4843, 0.2630**, and the grayscale version is **48.4823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9790, 0.2590, 0.3583**, and **41.3130, 0.2615, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **74.4091, 0.2607, 0.4525**, and if you desaturate by 10%, it is **76.5492, 0.2612, 0.4213**.

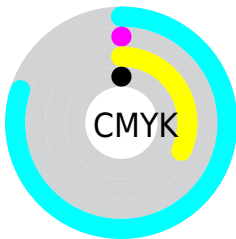
Distribution



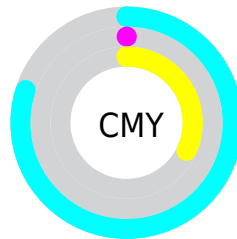
- Red (20%)
- Green (100%)
- Blue (68%)



- Red (20%)
- Yellow (70%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2798, 0.2599, 0.4370 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 75.2798, 0.2599, 0.4370 by changing the saturation by 10% instead.

 75.2798, 0.2599,
0.4370

 75.2798, 0.2599,
0.4370


478.8787, 0.2858,
0.3838

 55.8421, 0.2536,
0.4499


 126.7084, 0.2692,
0.4179

 40.0764, 0.2457,
0.4663

 159.4680, 0.2727,
0.4107

 27.5981, 0.2354,
0.4876


 197.4372, 0.2757,
0.4045

 18.0229, 0.2215,
0.5165

 241.0002, 0.2783,
0.3992

 10.9664, 0.2019,
0.5574

290.5415, 0.2805,
0.3946

 6.0443, 0.1727,
0.6188

346.4454, 0.2825,

 2.8720, 0.1149,

0.3905

0.7368

409.0963, 0.2843,
0.3870

■ 1.0653, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.2798, 0.2599,
0.4370

■ 75.2798, 0.2599,
0.4370

■ 74.4091, 0.2607,
0.4525

■ 76.5492, 0.2612,
0.4213


■ 73.8435, 0.2632,
0.4676

■ 78.2609, 0.2645,
0.4057

■ 73.8398, 0.2632,
0.4677

■ 80.4619, 0.2697,
0.3906

■ 83.1910, 0.2765,
0.3762

 86.4826, 0.2845,
0.3627

 90.3685, 0.2934,
0.3503

 94.8778, 0.3029,
0.3391

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



75.2798, 0.3377, 0.4832



75.2798, 0.2599, 0.4370



75.2798, 0.2008, 0.3480

Triad

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



75.2798, 0.2599, 0.4370



75.2798, 0.2082, 0.2040



75.2798, 0.4762, 0.3560

Complementary

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



75.2798, 0.2599, 0.4370



25.3144, 0.4843, 0.2630

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.



75.2798, 0.4336, 0.2974



75.2798, 0.2599, 0.4370



75.2798, 0.2697, 0.2147

Square

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



75.2798, 0.2599, 0.4370



75.2798, 0.1759, 0.2198



75.2798, 0.3531, 0.2477



75.2798, 0.4658, 0.4163

Rectangle

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



75.2798, 0.2599, 0.4370



75.2798, 0.1785, 0.2910



75.2798, 0.3531, 0.2477



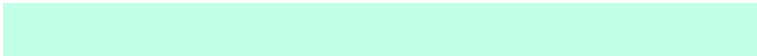
75.2798, 0.4678, 0.3359

Sweetspot

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



75.2828, 0.2599, 0.4370



88.7142, 0.2897, 0.3552



76.7219, 0.3326, 0.5550



18.6962, 0.2865, 0.3597



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.



75.2828, 0.2599, 0.4370



74.0445, 0.2621, 0.4617



67.1255, 0.2217, 0.3036



20.3520, 0.3033, 0.3386



38.6142, 0.2626, 0.4652



3.7813, 0.2578, 0.4479

Inverse Universe

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



25.3144, 0.4843, 0.2630



22.5533, 0.5327, 0.2728



26.0791, 0.5801, 0.3428



18.1067, 0.3231, 0.3196



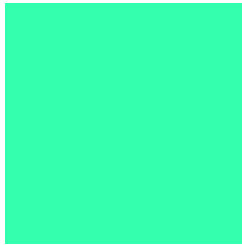
11.6307, 0.5395, 0.2745



1.1533, 0.5092, 0.2579

Previews

White Background



This preview shows how the Yxy color 75.2798, 0.2599, 0.4370 looks on a white background.

Color Contrast Check

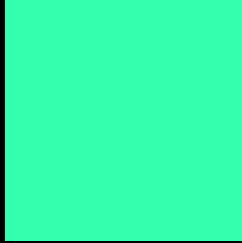
Large Text (above 18pt) WCAG AA × Fail

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 75.2798, 0.2599, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

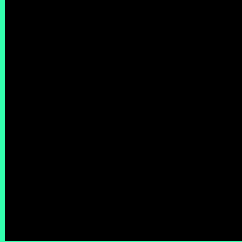
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2798, 0.2599, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 75.2798, 0.2599, 0.4370.

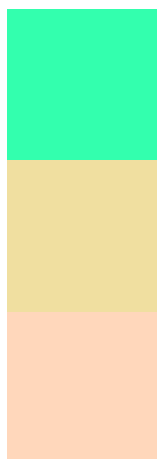


This preview shows how white text looks on a background with the Yxy color 75.2798, 0.2599, 0.4370.

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

75.2798, 0.2599, 0.4370

Protanopia

73.8387, 0.3684, 0.3961

Deuteranopia

73.4487, 0.3631, 0.3579



Tritanopia

74.4420, 0.2483, 0.3104

Trichromacy



Original Color

75.2798, 0.2599, 0.4370



Protanomaly

70.7912, 0.3125, 0.4151



Deuteranomaly

69.7948, 0.3093, 0.3869



Tritanomaly

73.9216, 0.2499, 0.3523

Monochromacy



Original Color

75.2798, 0.2599, 0.4370



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6636, 0.2801, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2798, 0.2599, 0.4370 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(51, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 174)  
}
```

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(51, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 75.2798, 0.2599, 0.4370 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(51, 255, 174) }
```

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

```
.border{ border-color:rgb(51, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2798, 0.2599, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 174) }
```

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

```
.background{ background-color: rgb(51, 255,  
174) }
```

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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