

Converting Colors

$Yxy(75.2869, 0.2588, 0.4347)$

Have a look what the booklet for
Yxy(75.2869, 0.2588, 0.4347)
contains.

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Color

Yxy(75.3076, 0.2587, 0.4343)

Conversions

Conversions Part 1

Format	Color
Hex	31FFB0
RGB	49, 255, 176
RGB Percent	19%, 100%, 69%
CMY	0.8081, 0.0000, 0.3099
CMYK	0.81, 0.00, 0.31, 0.00
HSL	157°, 100%, 60%
HSV	157°, 81%, 100%
XYZ	44.8586, 75.3076, 53.2338
YIQ	184.4000, -97.4170, -68.2410

Conversions

Conversions Part 2

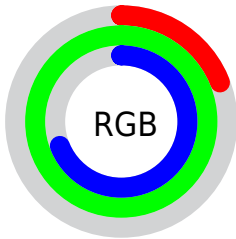
Format	Color
RYB	49, 176, 255
Decimal	3276720
CIELab	89.54, -65.61, 24.40
CIELCh	90, 70.002, 159.598
Yxy	75.3076, 0.2587, 0.4343
Android (android.graphics.Color)	4281466800 (0xFF31FFB0)
YUV	184.4000, -4.1412, -118.7458
Hunter-Lab	86.7800, -59.5941, 24.3755

Details

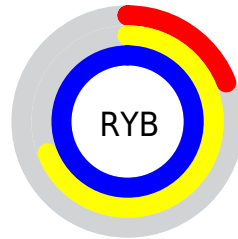
The Yxy color **75.3076, 0.2587, 0.4343** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.0083, 0.4916, 0.2660**, and the grayscale version is **48.2157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0133, 0.2577, 0.3559**, and **41.3626, 0.2605, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **74.4679, 0.2595, 0.4492**, and if you desaturate by 10%, it is **76.5280, 0.2599, 0.4192**.

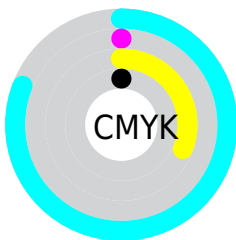
Distribution



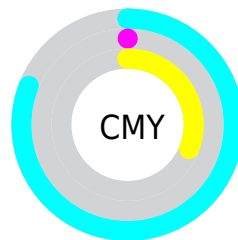
- Red (19%)
- Green (100%)
- Blue (69%)



- Red (19%)
- Yellow (69%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (81%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3076, 0.2587, 0.4343 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 75.3076, 0.2587, 0.4343 by changing the saturation by 10% instead.

 75.3076, 0.2587,
0.4343


 75.3076, 0.2587,
0.4343


478.9742, 0.2851,
0.3825

 55.8649, 0.2524,
0.4469


 126.7477, 0.2681,
0.4157


 40.0946, 0.2443,
0.4628


 159.5139, 0.2717,
0.4087

 27.6123, 0.2340,
0.4835


 197.4901, 0.2748,
0.4027

 18.0336, 0.2200,
0.5115

 241.0606, 0.2774,
0.3975

 10.9741, 0.2004,
0.5512

290.6099, 0.2797,
0.3930

 6.0495, 0.1713,
0.6109


346.5223, 0.2817,


 2.8752, 0.1141,


0.3891


0.7227


409.1823, 0.2835,
0.3856


 1.0669, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3076, 0.2587,
0.4343


 75.3076, 0.2587,
0.4343


 74.4679, 0.2595,
0.4492


 76.5280, 0.2599,
0.4192


 73.9617, 0.2618,
0.4626


 78.1899, 0.2632,
0.4042


 80.3356, 0.2683,
0.3896


 83.0040, 0.2751,
0.3756

 86.2299, 0.2832,
0.3626

 90.0451, 0.2922,
0.3506

 94.4791, 0.3018,
0.3396

 99.5590, 0.3119,
0.3298

 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.



75.3076, 0.3358, 0.4816



75.3076, 0.2587, 0.4343



75.3076, 0.2006, 0.3458

Triad

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



75.3076, 0.2587, 0.4343



75.3076, 0.2100, 0.2048



75.3076, 0.4754, 0.3573

Complementary

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



75.3076, 0.2587, 0.4343



25.0083, 0.4916, 0.2660

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.



75.3076, 0.4342, 0.2990



75.3076, 0.2587, 0.4343



75.3076, 0.2718, 0.2159

Square

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



75.3076, 0.2587, 0.4343



75.3076, 0.1771, 0.2199



75.3076, 0.3549, 0.2492



75.3076, 0.4639, 0.4173

Rectangle

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



75.3076, 0.2587, 0.4343



75.3076, 0.1789, 0.2896



75.3076, 0.3549, 0.2492



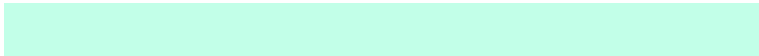
75.3076, 0.4674, 0.3374

Sweetspot

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



75.3051, 0.2587, 0.4343



88.7625, 0.2892, 0.3543



76.5952, 0.3323, 0.5567



18.7078, 0.2860, 0.3586



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

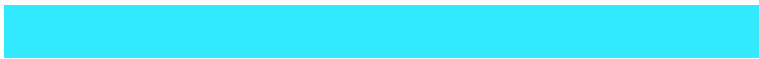
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3051, 0.2587, 0.4343



74.1126, 0.2610, 0.4582



66.9411, 0.2213, 0.3033



20.3565, 0.3031, 0.3383



38.6766, 0.2612, 0.4602



3.7872, 0.2565, 0.4435

Inverse Universe

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



25.0083, 0.4916, 0.2660



22.3954, 0.5410, 0.2770



25.8041, 0.5836, 0.3426



18.1024, 0.3234, 0.3199



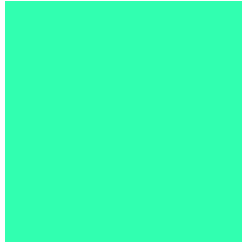
11.5944, 0.5451, 0.2777



1.1494, 0.5144, 0.2608

Previews

White Background



This preview shows how the Yxy color 75.3076, 0.2587, 0.4343 looks on a white background.

Color Contrast Check

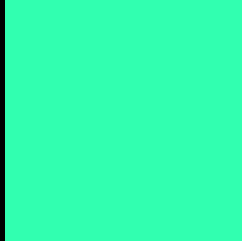
Large Text (above 18pt) WCAG AA × Fail

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 75.3076, 0.2587, 0.4343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

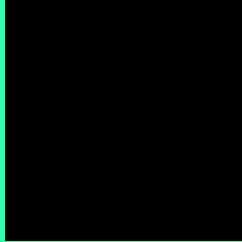
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3076, 0.2587, 0.4343

Background



This preview shows how black text looks on a background with the Yxy color 75.3076, 0.2587, 0.4343.

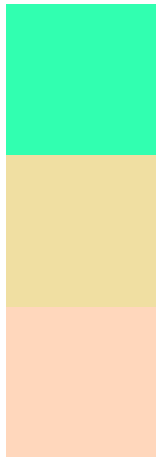


This preview shows how white text looks on a background with the Yxy color 75.3076, 0.2587, 0.4343.

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

75.3076, 0.2587, 0.4343

Protanopia

73.9093, 0.3670, 0.3940

Deuteranopia

73.4917, 0.3623, 0.3569



Tritanopia

74.4420, 0.2483, 0.3104

Trichromacy



Original Color

75.3076, 0.2587, 0.4343



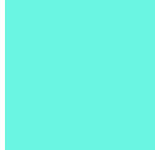
Protanomaly

70.8646, 0.3114, 0.4126



Deuteranomaly

69.7576, 0.3074, 0.3845



Tritanomaly

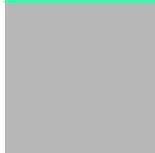
73.8600, 0.2496, 0.3523

Monochromacy



Original Color

75.3076, 0.2587, 0.4343



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.5803, 0.2795, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3076, 0.2587, 0.4343 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(49, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(49, 255, 176)  
}
```

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(49, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 75.3076, 0.2587, 0.4343 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(49, 255, 176) }
```

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

```
.border{ border-color:rgb(49, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(49, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3076, 0.2587, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 255, 176) }
```

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

```
.background{ background-color: rgb(49, 255,  
176) }
```

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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