

Converting Colors

$Y_{xy}(74.9266, 0.2638, 0.4503)$

Have a look what the booklet for
Yxy(74.9266, 0.2638, 0.4503)
contains.

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Color

Yxy(74.9404, 0.2636, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	33FFA5
RGB	51, 255, 165
RGB Percent	20%, 100%, 65%
CMY	0.7999, 0.0000, 0.3529
CMYK	0.80, 0.00, 0.35, 0.00
HSL	154°, 100%, 60%
HSV	154°, 80%, 100%
XYZ	43.9179, 74.9404, 47.7499
YIQ	183.7440, -92.6940, -71.2380

Conversions

Conversions Part 2

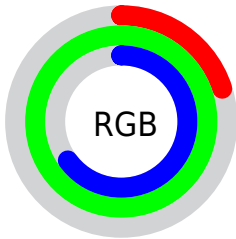
Format	Color
RYB	51, 182, 255
Decimal	3407781
CIELab	89.37, -67.61, 29.71
CIELCh	89, 73.852, 156.275
Yxy	74.9404, 0.2636, 0.4498
Android (android.graphics.Color)	4281597861 (0xFF33FFA5)
YUV	183.7440, -9.2408, -116.4165
Hunter-Lab	86.5681, -60.9372, 27.8940

Details

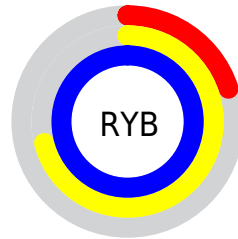
The Yxy color **74.9404, 0.2636, 0.4498** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.5539, 0.4703, 0.2544**, and the grayscale version is **47.8794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4863, 0.2630, 0.3694**, and **41.1024, 0.2660, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **74.0585, 0.2647, 0.4670**, and if you desaturate by 10%, it is **76.2231, 0.2645, 0.4323**.

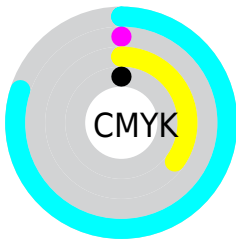
Distribution



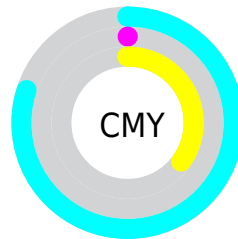
- Red (20%)
- Green (100%)
- Blue (65%)



- Red (20%)
- Yellow (71%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9404, 0.2636, 0.4498 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 74.9404, 0.2636, 0.4498 by changing the saturation by 10% instead.


 74.9404, 0.2636,
0.4498


 74.9404, 0.2636,
0.4498

477.7127, 0.2883,
0.3899


 55.5641, 0.2575,
0.4644

 126.2280, 0.2726,
0.4282


 39.8535, 0.2497,
0.4830

 158.9080, 0.2759,
0.4201

 27.4244, 0.2394,
0.5072


 196.7914, 0.2788,
0.4131

 17.8922, 0.2253,
0.5400

 240.2626, 0.2812,
0.4072

 10.8726, 0.2051,
0.5863

289.7059, 0.2834,
0.4020

 5.9812, 0.1744,
0.6554


345.5058, 0.2852,

 2.8337, 0.1113,


0.3975


0.8148


408.0466, 0.2868,
0.3935


 1.0455, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9404, 0.2636,
0.4498


 74.9404, 0.2636,
0.4498


 74.0585, 0.2647,
0.4670


 76.2231, 0.2645,
0.4323


 73.4884, 0.2676,
0.4835


 77.9561, 0.2675,
0.4148

 73.4879, 0.2676,
0.4835

 80.1851, 0.2723,
0.3979

 82.9487, 0.2786,
0.3818

 86.2820, 0.2861,
0.3667

 90.2167, 0.2945,
0.3528

 94.7823, 0.3035,
0.3403

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.



74.9404, 0.3452, 0.4920



74.9404, 0.2636, 0.4498



74.9404, 0.2000, 0.3571

Triad

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



74.9404, 0.2636, 0.4498



74.9404, 0.1998, 0.1994



74.9404, 0.4822, 0.3506

Complementary

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



74.9404, 0.2636, 0.4498



25.5539, 0.4703, 0.2544

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.



74.9404, 0.4331, 0.2907



74.9404, 0.2636, 0.4498



74.9404, 0.2608, 0.2083

Square

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



74.9404, 0.2636, 0.4498



74.9404, 0.1691, 0.2179



74.9404, 0.3468, 0.2406



74.9404, 0.4752, 0.4134

Rectangle

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



74.9404, 0.2636, 0.4498



74.9404, 0.1752, 0.2958



74.9404, 0.3468, 0.2406



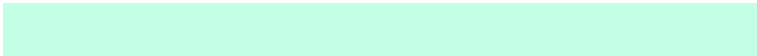
74.9404, 0.4718, 0.3300

Sweetspot

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



74.9414, 0.2636, 0.4498



88.5642, 0.2911, 0.3582



77.5825, 0.3384, 0.5509



18.6601, 0.2881, 0.3632



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.



74.9414, 0.2636, 0.4498



73.6922, 0.2664, 0.4770



73.1093, 0.2251, 0.3164



20.3382, 0.3039, 0.3397



38.4296, 0.2669, 0.4808



3.7637, 0.2616, 0.4619

Inverse Universe

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



25.5539, 0.4703, 0.2544



22.7943, 0.5149, 0.2630



24.8611, 0.5879, 0.3359



18.1202, 0.3225, 0.3186



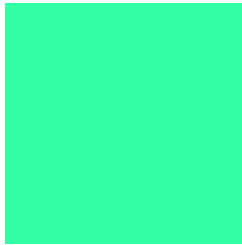
11.7549, 0.5213, 0.2646



1.1661, 0.4929, 0.2489

Previews

White Background



This preview shows how the Yxy color 74.9404, 0.2636, 0.4498 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 74.9404, 0.2636, 0.4498 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 74.9404, 0.2636, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 74.9404, 0.2636, 0.4498.

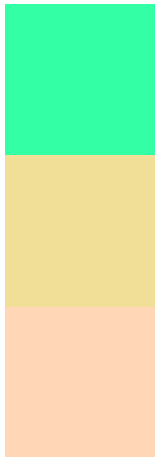


This preview shows how white text looks on a background with the Yxy color 74.9404, 0.2636, 0.4498.

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

74.9404, 0.2636, 0.4498

Protanopia

73.1777, 0.3756, 0.4043

Deuteranopia

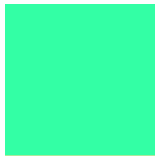
73.2383, 0.3668, 0.3631



Tritanopia

74.2714, 0.2475, 0.3103

Trichromacy



Original Color

74.9404, 0.2636, 0.4498



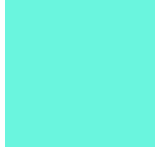
Protanomaly

70.0166, 0.3185, 0.4252



Deuteranomaly

69.5520, 0.3130, 0.3944



Tritanomaly

73.6429, 0.2513, 0.3575

Monochromacy



Original Color

74.9404, 0.2636, 0.4498



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.5018, 0.2826, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9404, 0.2636, 0.4498 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 74.9404, 0.2636, 0.4498 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, 165) }
```

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

```
.border{ border-color:rgb(51, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9404, 0.2636, 0.4498 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, 165) }
```

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

```
.background{ background-color: rgb(51, 255,  
165) }
```

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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