

Converting Colors

$Y_{xy}(74.9943, 0.2630, 0.4477)$

Have a look what the booklet for
Yxy(74.9943, 0.2630, 0.4477)
contains.

Yxy(74.9770, 0.2632, 0.4484)	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(74.9770, 0.2632, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	33FFA6
RGB	51, 255, 166
RGB Percent	20%, 100%, 65%
CMY	0.7997, 0.0000, 0.3491
CMYK	0.80, 0.00, 0.35, 0.00
HSL	154°, 100%, 60%
HSV	154°, 80%, 100%
XYZ	44.0097, 74.9770, 48.2234
YIQ	183.8580, -93.0150, -70.9270

Conversions

Conversions Part 2

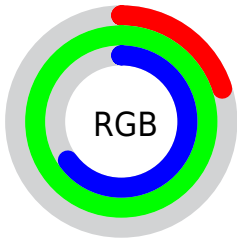
Format	Color
RYB	51, 181, 255
Decimal	3407782
CIELab	89.38, -67.42, 29.24
CIELCh	89, 73.485, 156.550
Yxy	74.9770, 0.2632, 0.4484
Android (android.graphics.Color)	4281597862 (0xFF33FFA6)
YUV	183.8580, -8.8040, -116.5165
Hunter-Lab	86.5893, -60.8071, 27.5926

Details

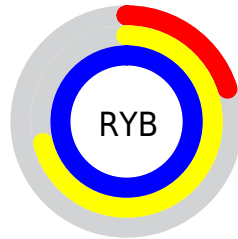
The Yxy color **74.9770, 0.2632, 0.4484** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.5295, 0.4718, 0.2553**, and the grayscale version is **47.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5398, 0.2626, 0.3682**, and **41.1248, 0.2655, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **74.0959, 0.2643, 0.4654**, and if you desaturate by 10%, it is **76.2591, 0.2642, 0.4311**.

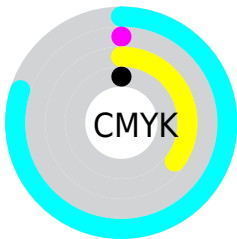
Distribution



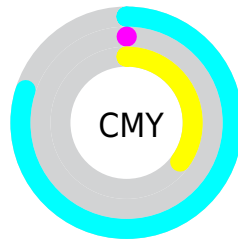
- Red (20%)
- Green (100%)
- Blue (65%)



- 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 74.9770, 0.2632, 0.4484 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 74.9770, 0.2632, 0.4484 by changing the saturation by 10% instead.

 74.9770, 0.2632,
0.4484

 74.9770, 0.2632,
0.4484

477.8385, 0.2880,
0.3892


 55.5940, 0.2571,
0.4628


 126.2798, 0.2722,
0.4271

 39.8775, 0.2492,
0.4812

 158.9684, 0.2756,
0.4190

 27.4431, 0.2390,
0.5051


 196.8611, 0.2785,
0.4122

 17.9063, 0.2249,
0.5374

 240.3422, 0.2809,
0.4063

 10.8827, 0.2048,
0.5832

289.7961, 0.2830,
0.4012

 5.9880, 0.1743,
0.6515


345.6072, 0.2849,

 2.8378, 0.1117,


0.3967

0.8054


408.1598, 0.2866,
0.3928


 1.0476, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9770, 0.2632,
0.4484


 74.9770, 0.2632,
0.4484


 74.0959, 0.2643,
0.4654

 76.2591, 0.2642,
0.4311

 73.5259, 0.2672,
0.4818

 77.9905, 0.2672,
0.4138

 73.5245, 0.2672,
0.4818

 80.2171, 0.2720,
0.3971

 82.9777, 0.2784,
0.3811

86.3072, 0.2860,
0.3662

90.2373, 0.2944,
0.3525

94.7975, 0.3034,
0.3401

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.



74.9770, 0.3444, 0.4911



74.9770, 0.2632, 0.4484



74.9770, 0.2001, 0.3561

Triad

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



74.9770, 0.2632, 0.4484



74.9770, 0.2007, 0.1999



74.9770, 0.4816, 0.3512

Complementary

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



74.9770, 0.2632, 0.4484



25.5295, 0.4718, 0.2553

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.



74.9770, 0.4332, 0.2914



74.9770, 0.2632, 0.4484



74.9770, 0.2618, 0.2090

Square

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



74.9770, 0.2632, 0.4484



74.9770, 0.1698, 0.2181



74.9770, 0.3474, 0.2414



74.9770, 0.4742, 0.4137

Rectangle

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



74.9770, 0.2632, 0.4484



74.9770, 0.1756, 0.2952



74.9770, 0.3474, 0.2414



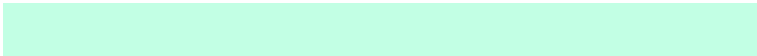
74.9770, 0.4714, 0.3306

Sweetspot

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



74.9785, 0.2632, 0.4484



88.5803, 0.2909, 0.3579



77.5848, 0.3384, 0.5508



18.6640, 0.2879, 0.3628



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.



74.9785, 0.2632, 0.4484



73.7288, 0.2659, 0.4753



73.1116, 0.2251, 0.3164



20.3397, 0.3039, 0.3396



38.4487, 0.2664, 0.4791



3.7656, 0.2612, 0.4604

Inverse Universe

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



25.5295, 0.4718, 0.2553



22.7669, 0.5169, 0.2641



24.8656, 0.5879, 0.3359



18.1188, 0.3225, 0.3187



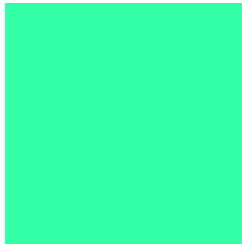
11.7407, 0.5233, 0.2656



1.1646, 0.4946, 0.2499

Previews

White Background



This preview shows how the Yxy color 74.9770, 0.2632, 0.4484 looks on a white background.

Color Contrast Check

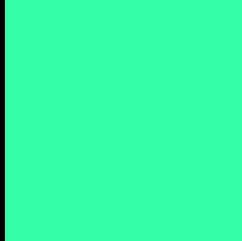
Large Text (above 18pt) WCAG AA × Fail

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 74.9770, 0.2632, 0.4484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

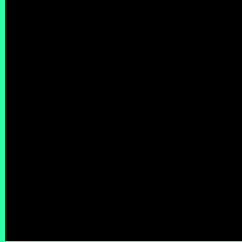
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9770, 0.2632, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 74.9770, 0.2632, 0.4484.

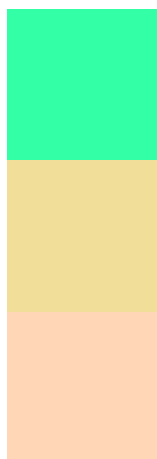


This preview shows how white text looks on a background with the Yxy color 74.9770, 0.2632, 0.4484.

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

74.9770, 0.2632, 0.4484

Protanopia

73.2103, 0.3750, 0.4033

Deuteranopia

73.2798, 0.3660, 0.3620



Tritanopia

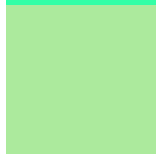
74.2714, 0.2475, 0.3103

Trichromacy



Original Color

74.9770, 0.2632, 0.4484



Protanomaly

70.0506, 0.3179, 0.4240



Deuteranomaly

69.5917, 0.3124, 0.3932



Tritanomaly

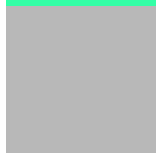
73.6967, 0.2509, 0.3562

Monochromacy



Original Color

74.9770, 0.2632, 0.4484



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 74.9770, 0.2632, 0.4484 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 74.9770, 0.2632, 0.4484 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, 166) }
```

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

```
.border{ border-color:rgb(51, 255, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9770, 0.2632, 0.4484 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, 166) }
```

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

```
.background{ background-color: rgb(51, 255,  
166) }
```

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