

Converting Colors

$Yxy(74.8352, 0.2648, 0.4540)$

Have a look what the booklet for
Yxy(74.8352, 0.2648, 0.4540)
contains.

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Color

Yxy(74.8324, 0.2648, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	33FFA2
RGB	51, 255, 162
RGB Percent	20%, 100%, 64%
CMY	0.8009, 0.0000, 0.3647
CMYK	0.80, 0.00, 0.36, 0.00
HSL	153°, 100%, 60%
HSV	153°, 80%, 100%
XYZ	43.6371, 74.8324, 46.3232
YIQ	183.4020, -91.7310, -72.1710

Conversions

Conversions Part 2

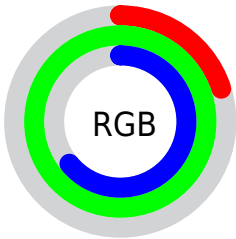
Format	Color
RYB	51, 183, 255
Decimal	3407778
CIELab	89.31, -68.22, 31.16
CIELCh	89, 74.996, 155.454
Yxy	74.8324, 0.2648, 0.4541
Android (android.graphics.Color)	4281597858 (0xFF33FFA2)
YUV	183.4020, -10.5512, -116.1166
Hunter-Lab	86.5057, -61.3421, 28.8046

Details

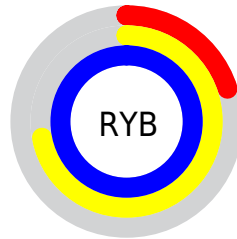
The Yxy color **74.8324, 0.2648, 0.4541** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.6133, 0.4660, 0.2517**, and the grayscale version is **47.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2756, 0.2648, 0.3744**, and **41.0583, 0.2670, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **73.9444, 0.2661, 0.4718**, and if you desaturate by 10%, it is **76.1079, 0.2656, 0.4360**.

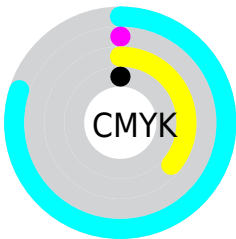
Distribution



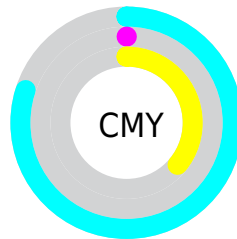
- Red (20%)
- Green (100%)
- Blue (64%)



- Red (20%)
- Yellow (72%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8324, 0.2648, 0.4541 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 74.8324, 0.2648, 0.4541 by changing the saturation by 10% instead.

 74.8324, 0.2648,
0.4541

 74.8324, 0.2648,
0.4541


477.3413, 0.2891,
0.3919


 55.4756, 0.2587,
0.4693

 126.0751, 0.2737,
0.4317

 39.7826, 0.2509,
0.4886


 158.7298, 0.2770,
0.4232

 27.3691, 0.2406,
0.5137


 196.5859, 0.2798,
0.4160

 17.8506, 0.2265,
0.5478


 240.0277, 0.2822,
0.4099

 10.8428, 0.2061,
0.5959

289.4398, 0.2843,
0.4045

 5.9612, 0.1748,
0.6673


345.2065, 0.2861,

 2.8215, 0.1099,


0.3998


0.8451

407.7122, 0.2877,
0.3956


 1.0393, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.8324, 0.2648,
0.4541

 74.8324, 0.2648,
0.4541

 73.9444, 0.2661,
0.4718


 76.1079, 0.2656,
0.4360


 73.3806, 0.2690,
0.4885


 77.8429, 0.2684,
0.4180

 80.0756, 0.2731,
0.4004

 82.8450, 0.2792,
0.3837

 86.1861, 0.2866,
0.3681

 90.1309, 0.2948,
0.3538

 94.7089, 0.3036,
0.3408

99.9477, 0.3126,
0.3291

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.



74.8324, 0.3477, 0.4949



74.8324, 0.2648, 0.4541



74.8324, 0.1997, 0.3602

Triad

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



74.8324, 0.2648, 0.4541



74.8324, 0.1970, 0.1978



74.8324, 0.4842, 0.3488

Complementary

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



74.8324, 0.2648, 0.4541



25.6133, 0.4660, 0.2517

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.



74.8324, 0.4330, 0.2885



74.8324, 0.2648, 0.4541



74.8324, 0.2579, 0.2062

Square

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



74.8324, 0.2648, 0.4541



74.8324, 0.1668, 0.2173



74.8324, 0.3446, 0.2382



74.8324, 0.4783, 0.4124

Rectangle

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



74.8324, 0.2648, 0.4541



74.8324, 0.1741, 0.2973



74.8324, 0.3446, 0.2382



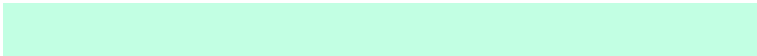
74.8324, 0.4732, 0.3281

Sweetspot

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



74.8261, 0.2648, 0.4541



88.5162, 0.2915, 0.3592



77.8745, 0.3403, 0.5496



18.6486, 0.2886, 0.3643



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.



74.8261, 0.2648, 0.4541



73.5849, 0.2677, 0.4818



75.1706, 0.2261, 0.3205



20.3337, 0.3041, 0.3400



38.3735, 0.2683, 0.4858



3.7584, 0.2629, 0.4663

Inverse Universe

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



25.6133, 0.4660, 0.2517



22.8785, 0.5091, 0.2597



24.4797, 0.5906, 0.3337



18.1246, 0.3222, 0.3182



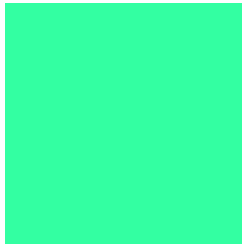
11.7984, 0.5154, 0.2613



1.1705, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 74.8324, 0.2648, 0.4541 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 74.8324, 0.2648, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

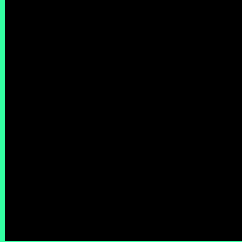
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8324, 0.2648, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 74.8324, 0.2648, 0.4541.

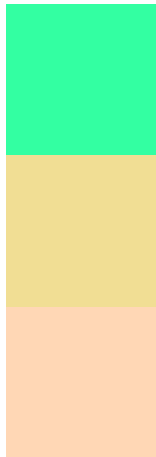


This preview shows how white text looks on a background with the Yxy color 74.8324, 0.2648, 0.4541.

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

74.8324, 0.2648, 0.4541

Protanopia

73.0814, 0.3777, 0.4074

Deuteranopia

73.1971, 0.3675, 0.3641



Tritanopia

74.2714, 0.2475, 0.3103

Trichromacy



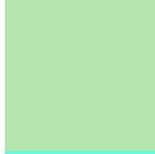
Original Color

74.8324, 0.2648, 0.4541



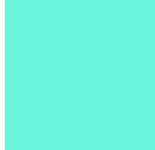
Protanomaly

69.9162, 0.3202, 0.4290



Deuteranomaly

69.4734, 0.3142, 0.3969



Tritanomaly

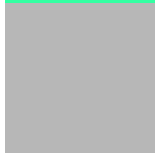
73.5894, 0.2518, 0.3588

Monochromacy



Original Color

74.8324, 0.2648, 0.4541



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.8470, 0.2830, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8324, 0.2648, 0.4541 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 74.8324, 0.2648, 0.4541 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, 162) }
```

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

```
.border{ border-color:rgb(51, 255, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8324, 0.2648, 0.4541 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, 162) }
```

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

```
.background{ background-color: rgb(51, 255,  
162) }
```

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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