

Converting Colors

$Yxy(74.1620, 0.2601, 0.4427)$

Have a look what the booklet for
Yxy(74.1620, 0.2601, 0.4427)
contains.

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Color

Yxy(74.2618, 0.2604, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	2BFEA9
RGB	43, 254, 169
RGB Percent	17%, 100%, 66%
CMY	0.8311, 0.0039, 0.3372
CMYK	0.83, 0.00, 0.33, 0.00
HSL	156°, 99%, 58%
HSV	156°, 83%, 100%
XYZ	43.6026, 74.2618, 49.5804
YIQ	181.2210, -98.4710, -71.1670

Conversions

Conversions Part 2

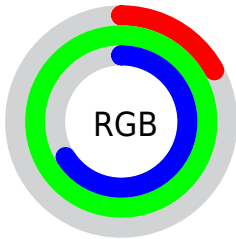
Format	Color
RYB	43, 175, 254
Decimal	2883241
CIELab	89.05, -67.16, 27.25
CIELCh	89, 72.479, 157.919
Yxy	74.2618, 0.2604, 0.4435
Android (android.graphics.Color)	4281073321 (0xFF2BFEA9)
YUV	181.2210, -6.0250, -121.2198
Hunter-Lab	86.1753, -60.4900, 26.2106

Details

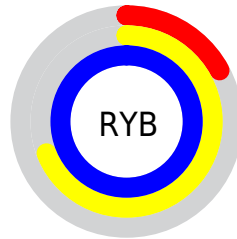
The Yxy color **74.2618, 0.2604, 0.4435** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.3636, 0.4921, 0.2627**, and the grayscale version is **46.4203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3919, 0.2596, 0.3646**, and **40.7408, 0.2637, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **73.5056, 0.2618, 0.4591**, and if you desaturate by 10%, it is **75.3951, 0.2610, 0.4276**.

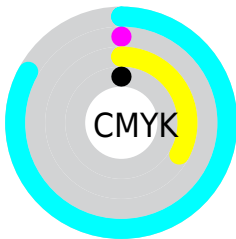
Distribution



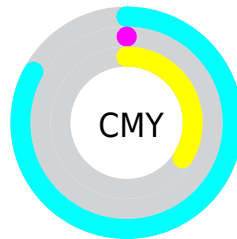
- Red (17%)
- Green (100%)
- Blue (66%)



- Red (17%)
- Yellow (69%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (83%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2618, 0.2604, 0.4435 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 74.2618, 0.2604, 0.4435 by changing the saturation by 10% instead.


 74.2618, 0.2604,
0.4435


 74.2618, 0.2604,
0.4435

475.3764, 0.2864,
0.3868

 55.0083, 0.2540,
0.4574


 125.2669, 0.2698,
0.4231

 39.4084, 0.2460,
0.4749


 157.7872, 0.2733,
0.4154

 27.0776, 0.2354,
0.4979


 195.4987, 0.2763,
0.4088

 17.6315, 0.2211,
0.5290

 238.7857, 0.2789,
0.4032

 10.6857, 0.2007,
0.5731

288.0326, 0.2811,
0.3983

 5.8559, 0.1701,
0.6394


343.6237, 0.2831,

 2.7577, 0.1038,


0.3940


0.7850


405.9435, 0.2848,
0.3902


 1.0066, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2618, 0.2604,
0.4435

 74.2618, 0.2604,
0.4435

 73.5056, 0.2618,
0.4591


 75.3951, 0.2610,
0.4276


 73.1405, 0.2638,
0.4696


 76.9524, 0.2637,
0.4117


 78.9824, 0.2683,
0.3962

 81.5248, 0.2745,
0.3813

 84.6153, 0.2821,
0.3673

 88.2858, 0.2907,
0.3544

 92.5661, 0.3000,
0.3426

 97.4837, 0.3097,
0.3320

 99.3644, 0.3128,
0.3281

Harmonies

Analogous

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



74.2618, 0.3406, 0.4889



74.2618, 0.2604, 0.4435



74.2618, 0.1990, 0.3515

Triad

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



74.2618, 0.2604, 0.4435



74.2618, 0.2038, 0.2008



74.2618, 0.4807, 0.3540

Complementary

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



74.2618, 0.2604, 0.4435



24.3636, 0.4921, 0.2627

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.



74.2618, 0.4352, 0.2944



74.2618, 0.2604, 0.4435



74.2618, 0.2657, 0.2110

Square

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



74.2618, 0.2604, 0.4435



74.2618, 0.1718, 0.2177



74.2618, 0.3513, 0.2441



74.2618, 0.4712, 0.4160

Rectangle

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



74.2618, 0.2604, 0.4435



74.2618, 0.1757, 0.2920



74.2618, 0.3513, 0.2441



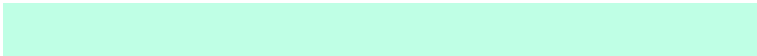
74.2618, 0.4715, 0.3336

Sweetspot

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



74.2648, 0.2604, 0.4435



88.3036, 0.2889, 0.3569



75.8811, 0.3334, 0.5593



18.6163, 0.2859, 0.3614



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.



74.2648, 0.2604, 0.4435



73.7957, 0.2638, 0.4697



67.9059, 0.2215, 0.3070



20.3503, 0.3034, 0.3387



38.5902, 0.2631, 0.4672



3.7790, 0.2583, 0.4497

Inverse Universe

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



24.3636, 0.4921, 0.2627



22.2340, 0.5415, 0.2756



24.5458, 0.5944, 0.3396



18.1084, 0.3231, 0.3195



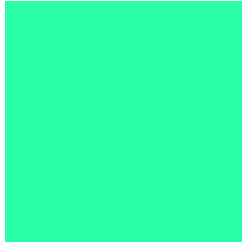
11.6454, 0.5372, 0.2733



1.1548, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 74.2618, 0.2604, 0.4435 looks on a white background.

Color Contrast Check

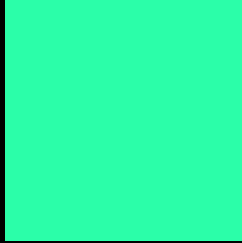
Large Text (above 18pt) WCAG AA × Fail

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 74.2618, 0.2604, 0.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

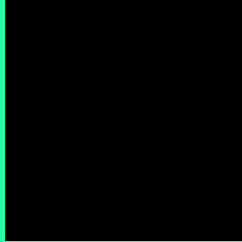
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.2618, 0.2604, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 74.2618, 0.2604, 0.4435.

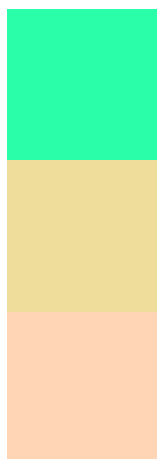


This preview shows how white text looks on a background with the Yxy color 74.2618, 0.2604, 0.4435.

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

74.2618, 0.2604, 0.4435

Protanopia

72.4302, 0.3717, 0.3996

Deuteranopia

72.2259, 0.3673, 0.3611



Tritanopia

73.8585, 0.2454, 0.3102

Trichromacy



Original Color

74.2618, 0.2604, 0.4435



Protanomaly

69.1407, 0.3136, 0.4199



Deuteranomaly

68.1261, 0.3105, 0.3914



Tritanomaly

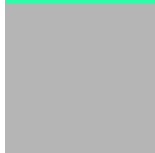
72.7925, 0.2482, 0.3538

Monochromacy



Original Color

74.2618, 0.2604, 0.4435



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.1114, 0.2793, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2618, 0.2604, 0.4435 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(43, 254, 169)` looks like.

```
.text, #text, p{  
    color:rgb(43, 254, 169)  
}
```

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(43, 254, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 254, 169) }
```

Border

The CSS property to change the border of an element to Yxy 74.2618, 0.2604, 0.4435 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(43, 254, 169) }
```

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

```
.border{ border-color:rgb(43, 254, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 254, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 254, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 254, 169);  
box-shadow:4px 4px 4px 4px rgb(43, 254,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2618, 0.2604, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 254, 169) }
```

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

```
.background{ background-color: rgb(43, 254,  
169) }
```

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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