

Converting Colors

$Yxy(74.4307, 0.2697, 0.4708)$

Have a look what the booklet for
Yxy(74.4307, 0.2697, 0.4708)
contains.

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Color

Yxy(74.4258, 0.2698, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	33FF96
RGB	51, 255, 150
RGB Percent	20%, 100%, 59%
CMY	0.7995, 0.0000, 0.4119
CMYK	0.80, 0.00, 0.41, 0.00
HSL	149°, 100%, 60%
HSV	149°, 80%, 100%
XYZ	42.6329, 74.4258, 40.9579
YIQ	182.0340, -87.8790, -75.9030

Conversions

Conversions Part 2

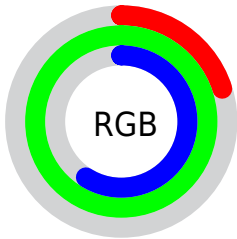
Format	Color
RYB	51, 188, 255
Decimal	3407766
CIELab	89.12, -70.38, 36.87
CIELCh	89, 79.451, 152.348
Yxy	74.4258, 0.2698, 0.4710
Android (android.graphics.Color)	4281597846 (0xFF33FF96)
YUV	182.0340, -15.7928, -114.9168
Hunter-Lab	86.2704, -62.7625, 32.2406

Details

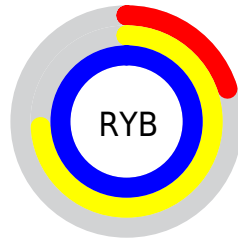
The Yxy color **74.4258, 0.2698, 0.4710** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **26.0456, 0.4465, 0.2401**, and the grayscale version is **46.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6736, 0.2704, 0.3897**, and **40.8143, 0.2729, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **73.5361, 0.2714, 0.4907**, and if you desaturate by 10%, it is **75.7308, 0.2702, 0.4506**.

Distribution



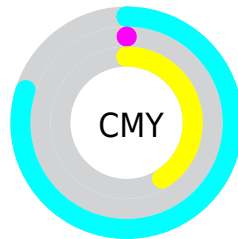
- Red (20%)
- Green (100%)
- Blue (59%)



- Red (20%)
- Yellow (74%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4258, 0.2698, 0.4710 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 74.4258, 0.2698, 0.4710 by changing the saturation by 10% instead.


 74.4258, 0.2698,
0.4710

 74.4258, 0.2698,
0.4710


475.9416, 0.2925,
0.4000


 55.1426, 0.2639,
0.4884


 125.4992, 0.2783,
0.4454


 39.5159, 0.2561,
0.5105


 158.0582, 0.2814,
0.4357

 27.1613, 0.2458,
0.5393


 195.8113, 0.2840,
0.4275

 17.6944, 0.2312,
0.5781

 239.1429, 0.2862,
0.4204

 10.7308, 0.2096,
0.6325

288.4373, 0.2881,
0.4143

 5.8861, 0.1758,
0.7115

344.0790, 0.2898,

 2.7760, 0.0958,

0.4089

0.9042

406.4523, 0.2912,
0.4042

■ 1.0159, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.4258, 0.2698,
0.4710

■ 74.4258, 0.2698,
0.4710

■ 73.5361, 0.2714,
0.4907

■ 75.7308, 0.2702,
0.4506


■ 72.9683, 0.2748,
0.5091

■ 77.4970, 0.2726,
0.4301


■ 72.9657, 0.2748,
0.5092

■ 79.7717, 0.2767,
0.4101

■ 82.5944, 0.2824,
0.3910

 86.0005, 0.2891,
0.3732

 90.0223, 0.2966,
0.3569

 94.6896, 0.3046,
0.3421

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.



74.4258, 0.3574, 0.5053



74.4258, 0.2698, 0.4710



74.4258, 0.1989, 0.3729

Triad

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



74.4258, 0.2698, 0.4710



74.4258, 0.1864, 0.1920



74.4258, 0.4915, 0.3417

Complementary

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



74.4258, 0.2698, 0.4710



26.0456, 0.4465, 0.2401

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.



74.4258, 0.4316, 0.2798



74.4258, 0.2698, 0.4710



74.4258, 0.2465, 0.1982

Square

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



74.4258, 0.2698, 0.4710



74.4258, 0.1584, 0.2150



74.4258, 0.3359, 0.2292



74.4258, 0.4903, 0.4080

Rectangle

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



74.4258, 0.2698, 0.4710



74.4258, 0.1700, 0.3041



74.4258, 0.3359, 0.2292



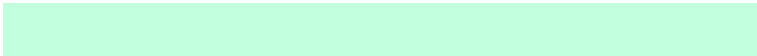
74.4258, 0.4779, 0.3203

Sweetspot

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



74.4283, 0.2698, 0.4710



88.3159, 0.2935, 0.3633



78.8747, 0.3465, 0.5448



18.6006, 0.2908, 0.3692



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.



74.4283, 0.2698, 0.4710



73.1675, 0.2733, 0.5020



79.2304, 0.2295, 0.3328



20.3149, 0.3049, 0.3415



38.1560, 0.2740, 0.5062



3.7371, 0.2681, 0.4850

Inverse Universe

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



26.0456, 0.4465, 0.2401



23.2682, 0.4845, 0.2460



23.9109, 0.5912, 0.3279



18.1434, 0.3213, 0.3168



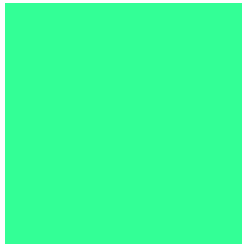
12.0008, 0.4900, 0.2473



1.1906, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 74.4258, 0.2698, 0.4710 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 74.4258, 0.2698, 0.4710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

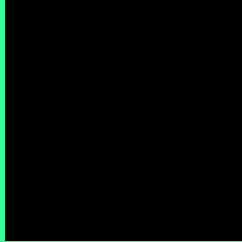
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4258, 0.2698, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 74.4258, 0.2698, 0.4710.

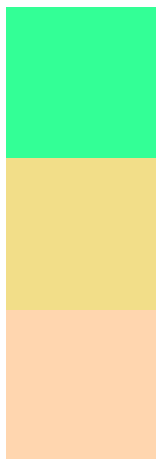


This preview shows how white text looks on a background with the Yxy color 74.4258, 0.2698, 0.4710.

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

74.4258, 0.2698, 0.4710

Protanopia

72.9259, 0.3857, 0.4182

Deuteranopia

72.4483, 0.3723, 0.3693



Tritanopia

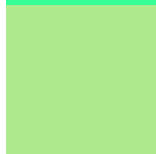
73.4374, 0.2460, 0.3091

Trichromacy



Original Color

74.4258, 0.2698, 0.4710



Protanomaly

69.6829, 0.3271, 0.4423



Deuteranomaly

68.6156, 0.3192, 0.4059



Tritanomaly

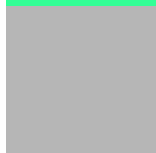
72.6542, 0.2526, 0.3628

Monochromacy



Original Color

74.4258, 0.2698, 0.4710



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.5715, 0.2855, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4258, 0.2698, 0.4710 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 74.4258, 0.2698, 0.4710 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, 150) }
```

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

```
.border{ border-color:rgb(51, 255, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4258, 0.2698, 0.4710 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, 150) }
```

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

```
.background{ background-color: rgb(51, 255,  
150) }
```

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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