

Converting Colors

$Yxy(74.6197, 0.2760, 0.4804)$

Have a look what the booklet for
Yxy(74.6197, 0.2760, 0.4804)
contains.

Yxy(74.5968, 0.2760, 0.4808)	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(74.5968, 0.2760, 0.4808)

Conversions

Conversions Part 1

Format	Color
Hex	41FF8E
RGB	65, 255, 142
RGB Percent	25%, 100%, 56%
CMY	0.7451, 0.0000, 0.4431
CMYK	0.75, 0.00, 0.44, 0.00
HSL	144°, 100%, 63%
HSV	144°, 75%, 100%
XYZ	42.8218, 74.5968, 37.7328
YIQ	185.3080, -76.9670, -75.4230

Conversions

Conversions Part 2

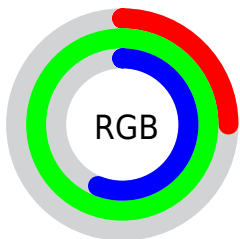
Format	Color
RYB	65, 200, 255
Decimal	4325262
CIELab	89.20, -70.16, 40.91
CIELCh	89, 81.213, 149.756
Yxy	74.5968, 0.2760, 0.4808
Android (android.graphics.Color)	4282515342 (0xFF41FF8E)
YUV	185.3080, -21.3508, -105.5101
Hunter-Lab	86.3694, -62.6466, 34.5562

Details

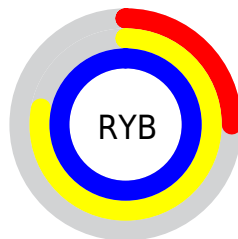
The Yxy color **74.5968, 0.2760, 0.4808** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.2533, 0.4117, 0.2273**, and the grayscale version is **48.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9545, 0.2778, 0.3993**, and **40.6707, 0.2766, 0.5158** is the 20% darker color. If you saturate the color by 10%, you get **73.4891, 0.2770, 0.5033**, and if you desaturate by 10%, it is **76.1584, 0.2770, 0.4573**.

Distribution



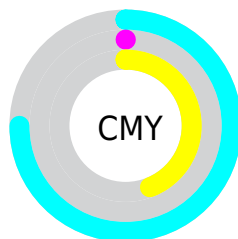
- Red (25%)
- Green (100%)
- Blue (56%)



- Red (25%)
- Yellow (78%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5968, 0.2760, 0.4808 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 74.5968, 0.2760, 0.4808 by changing the saturation by 10% instead.


 74.5968, 0.2760,
0.4808

 74.5968, 0.2760,
0.4808


476.5306, 0.2963,
0.4048

 55.2826, 0.2705,
0.4994


 125.7415, 0.2838,
0.4534


 39.6281, 0.2631,
0.5230

 158.3407, 0.2866,
0.4430

 27.2487, 0.2531,
0.5536


 196.1372, 0.2889,
0.4342

 17.7601, 0.2388,
0.5946

 239.5152, 0.2909,
0.4267

 10.7779, 0.2171,
0.6514

288.8591, 0.2925,
0.4201

 5.9177, 0.1830,
0.7349


344.5534, 0.2940,

 2.7951, 0.0993,


0.4144


0.9007


406.9824, 0.2952,
0.4093


 1.0257, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.5968, 0.2760,
0.4808


 74.5968, 0.2760,
0.4808


 73.4891, 0.2770,
0.5033


 76.1584, 0.2770,
0.4573


 72.7759, 0.2798,
0.5241

 78.2237, 0.2798,
0.4339


 72.5064, 0.2818,
0.5346


 80.8350, 0.2840,
0.4111

 84.0301, 0.2895,
0.3896

 87.8434, 0.2957,
0.3698

 92.3066, 0.3025,
0.3518

 97.4490, 0.3095,
0.3357

 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.



74.5968, 0.3654, 0.5082



74.5968, 0.2760, 0.4808



74.5968, 0.2016, 0.3834

Triad

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



74.5968, 0.2760, 0.4808



74.5968, 0.1806, 0.1904



74.5968, 0.4923, 0.3357

Complementary

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



74.5968, 0.2760, 0.4808



28.2533, 0.4117, 0.2273

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.



74.5968, 0.4265, 0.2737



74.5968, 0.2760, 0.4808



74.5968, 0.2386, 0.1944

Square

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



74.5968, 0.2760, 0.4808



74.5968, 0.1549, 0.2165



74.5968, 0.3276, 0.2238



74.5968, 0.4961, 0.4028

Rectangle

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



74.5968, 0.2760, 0.4808



74.5968, 0.1703, 0.3117



74.5968, 0.3276, 0.2238



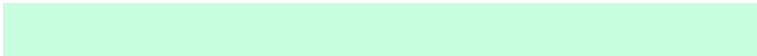
74.5968, 0.4766, 0.3143

Sweetspot

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



74.5966, 0.2760, 0.4808



88.9030, 0.2974, 0.3651



81.4848, 0.3577, 0.5271



18.7846, 0.2956, 0.3701



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.



74.5966, 0.2760, 0.4808



73.1245, 0.2780, 0.5129



78.6996, 0.2375, 0.3521



20.2902, 0.3060, 0.3435



37.9139, 0.2810, 0.5315



3.7125, 0.2747, 0.5089

Inverse Universe

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



28.2533, 0.4117, 0.2273



24.7378, 0.4392, 0.2251



25.6794, 0.5495, 0.3155



18.1684, 0.3201, 0.3150



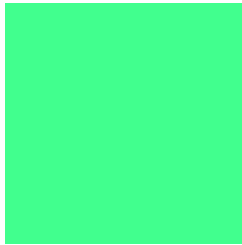
12.3177, 0.4566, 0.2289



1.2210, 0.4368, 0.2180

Previews

White Background



This preview shows how the Yxy color 74.5968, 0.2760, 0.4808 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 74.5968, 0.2760, 0.4808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

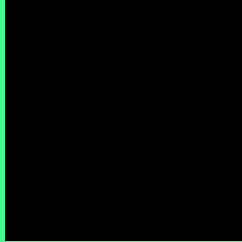
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5968, 0.2760, 0.4808

Background



This preview shows how black text looks on a background with the Yxy color 74.5968, 0.2760, 0.4808.

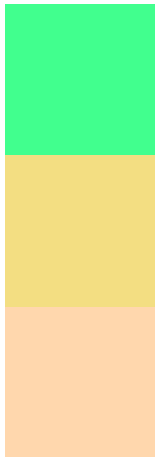


This preview shows how white text looks on a background with the Yxy color 74.5968, 0.2760, 0.4808.

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

74.5968, 0.2760, 0.4808

Protanopia

72.9089, 0.3909, 0.4247

Deuteranopia

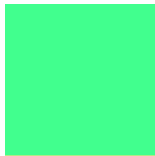
72.8780, 0.3734, 0.3724



Tritanopia

73.7723, 0.2477, 0.3092

Trichromacy



Original Color

74.5968, 0.2760, 0.4808



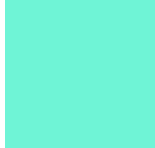
Protanomaly

70.0318, 0.3351, 0.4505



Deuteranomaly

69.6414, 0.3250, 0.4110



Tritanomaly

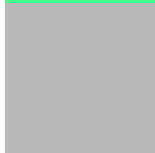
72.9359, 0.2565, 0.3665

Monochromacy



Original Color

74.5968, 0.2760, 0.4808



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6205, 0.2907, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5968, 0.2760, 0.4808 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(65, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 142)  
}
```

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(65, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 142) }
```

Border

The CSS property to change the border of an element to Yxy 74.5968, 0.2760, 0.4808 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(65, 255, 142) }
```

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

```
.border{ border-color:rgb(65, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5968, 0.2760, 0.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 142) }
```

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

```
.background{ background-color: rgb(65, 255,  
142) }
```

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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