

Converting Colors

$Y_{xy}(74.7311, 0.2679, 0.4619)$

Have a look what the booklet for
Yxy(74.7311, 0.2679, 0.4619)
contains.

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Color

Yxy(74.7325, 0.2681, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	37FF9C
RGB	55, 255, 156
RGB Percent	22%, 100%, 61%
CMY	0.7838, 0.0000, 0.3883
CMYK	0.78, 0.00, 0.39, 0.00
HSL	150°, 100%, 61%
HSV	150°, 78%, 100%
XYZ	43.3394, 74.7325, 43.5818
YIQ	183.9140, -87.4210, -73.1890

Conversions

Conversions Part 2

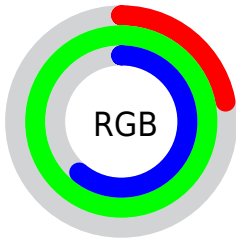
Format	Color
RYB	55, 188, 255
Decimal	3669916
CIELab	89.27, -68.90, 34.10
CIELCh	89, 76.874, 153.665
Yxy	74.7325, 0.2681, 0.4623
Android (android.graphics.Color)	4281859996 (0xFF37FF9C)
YUV	183.9140, -13.7616, -113.0576
Hunter-Lab	86.4480, -61.7957, 30.6231

Details

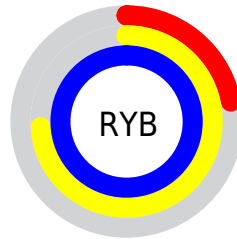
The Yxy color **74.7325, 0.2681, 0.4623** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **26.3420, 0.4488, 0.2440**, and the grayscale version is **48.0160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1287, 0.2685, 0.3819**, and **40.9320, 0.2700, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **73.7840, 0.2693, 0.4815**, and if you desaturate by 10%, it is **76.1027, 0.2690, 0.4426**.

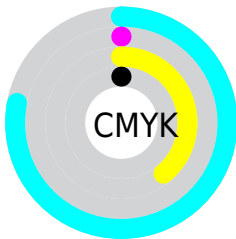
Distribution



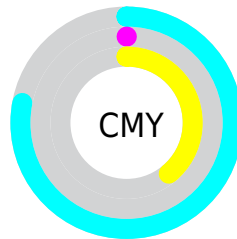
- Red (22%)
- Green (100%)
- Blue (61%)



- Red (22%)
- Yellow (74%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7325, 0.2681, 0.4623 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 74.7325, 0.2681, 0.4623 by changing the saturation by 10% instead.


 74.7325, 0.2681,
0.4623

 74.7325, 0.2681,
0.4623


476.9976, 0.2912,
0.3959


 55.3938, 0.2622,
0.4786


 125.9336, 0.2766,
0.4383


 39.7171, 0.2545,
0.4992


 158.5648, 0.2798,
0.4293

 27.3180, 0.2444,
0.5261


 196.3956, 0.2825,
0.4216

 17.8122, 0.2302,
0.5625

 239.8104, 0.2847,
0.4150

 10.8152, 0.2095,
0.6136

289.1937, 0.2867,
0.4093

 5.9427, 0.1773,
0.6889


344.9297, 0.2884,

 2.8103, 0.1095,


0.4043


0.8905


407.4029, 0.2899,
0.3998


 1.0335, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.7325, 0.2681,
0.4623


 74.7325, 0.2681,
0.4623

 73.7840, 0.2693,
0.4815


 76.1027, 0.2690,
0.4426


 73.1775, 0.2724,
0.4996

 77.9379, 0.2718,
0.4229


 73.0962, 0.2729,
0.5025

 80.2847, 0.2764,
0.4039

 83.1816, 0.2824,
0.3857

 86.6631, 0.2895,
0.3689

 90.7612, 0.2973,
0.3535

 95.5053, 0.3056,
0.3395

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.



74.7325, 0.3531, 0.4994



74.7325, 0.2681, 0.4623



74.7325, 0.2001, 0.3670

Triad

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



74.7325, 0.2681, 0.4623



74.7325, 0.1918, 0.1954



74.7325, 0.4869, 0.3449

Complementary

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



74.7325, 0.2681, 0.4623



26.3420, 0.4488, 0.2440

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.



74.7325, 0.4313, 0.2840



74.7325, 0.2681, 0.4623



74.7325, 0.2520, 0.2025

Square

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



74.7325, 0.2681, 0.4623



74.7325, 0.1631, 0.2169



74.7325, 0.3396, 0.2338



74.7325, 0.4839, 0.4096

Rectangle

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



74.7325, 0.2681, 0.4623



74.7325, 0.1728, 0.3015



74.7325, 0.3396, 0.2338



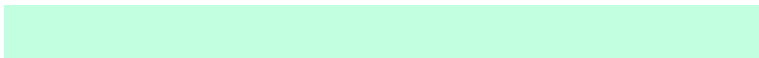
74.7325, 0.4745, 0.3239

Sweetspot

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



74.7352, 0.2681, 0.4623



88.3817, 0.2928, 0.3619



78.7717, 0.3448, 0.5434



18.6164, 0.2901, 0.3676



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.



74.7352, 0.2681, 0.4623



73.4087, 0.2708, 0.4918



79.5557, 0.2289, 0.3288



20.3211, 0.3047, 0.3410



38.2245, 0.2721, 0.4996



3.7439, 0.2664, 0.4789

Inverse Universe

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



26.3420, 0.4488, 0.2440



23.3329, 0.4878, 0.2490



24.2811, 0.5882, 0.3298



18.1372, 0.3216, 0.3173



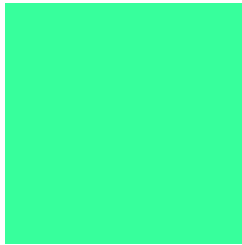
11.9305, 0.4984, 0.2519



1.1837, 0.4727, 0.2378

Previews

White Background



This preview shows how the Yxy color 74.7325, 0.2681, 0.4623 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 74.7325, 0.2681, 0.4623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

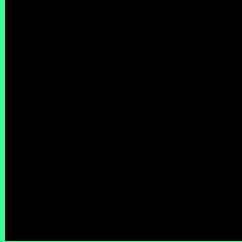
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7325, 0.2681, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 74.7325, 0.2681, 0.4623.

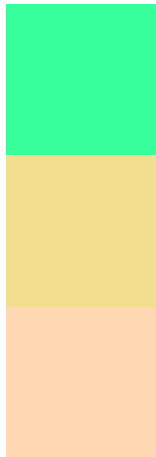


This preview shows how white text looks on a background with the Yxy color 74.7325, 0.2681, 0.4623.

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

74.7325, 0.2681, 0.4623

Protanopia

73.1030, 0.3818, 0.4122

Deuteranopia

73.0752, 0.3697, 0.3672



Tritanopia

74.2714, 0.2475, 0.3103

Trichromacy



Original Color

74.7325, 0.2681, 0.4623



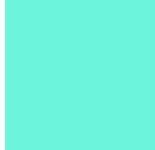
Protanomaly

69.9824, 0.3244, 0.4347



Deuteranomaly

69.4410, 0.3173, 0.4018



Tritanomaly

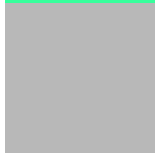
73.5451, 0.2530, 0.3613

Monochromacy



Original Color

74.7325, 0.2681, 0.4623



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.4675, 0.2850, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7325, 0.2681, 0.4623 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(55, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 156)  
}
```

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(55, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 74.7325, 0.2681, 0.4623 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(55, 255, 156) }
```

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

```
.border{ border-color:rgb(55, 255, 156) }
```

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

Here you see how a box with a 4 pixel rgb(55, 255, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
156) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.7325, 0.2681, 0.4623$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 156) }
```

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

```
.background{ background-color: rgb(55, 255,  
156) }
```

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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