

Converting Colors

$Y_{xy}(74.0252, 0.2750, 0.4891)$

Have a look what the booklet for
Yxy(74.0252, 0.2750, 0.4891)
contains.

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Color

Yxy(74.0300, 0.2750, 0.4889)

Conversions

Conversions Part 1

Format	Color
Hex	33FF89
RGB	51, 255, 137
RGB Percent	20%, 100%, 54%
CMY	0.7998, 0.0000, 0.4628
CMYK	0.80, 0.00, 0.46, 0.00
HSL	145°, 100%, 60%
HSV	145°, 80%, 100%
XYZ	41.6409, 74.0300, 35.7506
YIQ	180.5520, -83.7060, -79.9460

Conversions

Conversions Part 2

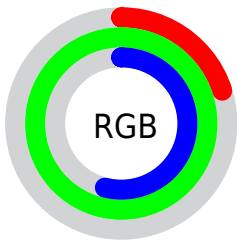
Format	Color
RYB	51, 195, 255
Decimal	3407753
CIELab	88.94, -72.56, 42.95
CIELCh	89, 84.321, 149.380
Yxy	74.0300, 0.2750, 0.4889
Android (android.graphics.Color)	4281597833 (0xFF33FF89)
YUV	180.5520, -21.4711, -113.6171
Hunter-Lab	86.0407, -64.1829, 35.5930

Details

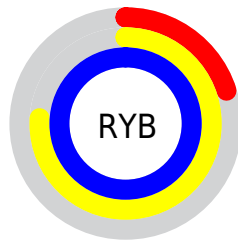
The Yxy color **74.0300, 0.2750, 0.4889** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **26.5003, 0.4269, 0.2281**, and the grayscale version is **46.1135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0716, 0.2765, 0.4064**, and **40.5884, 0.2788, 0.5238** is the 20% darker color. If you saturate the color by 10%, you get **73.1444, 0.2769, 0.5102**, and if you desaturate by 10%, it is **75.3376, 0.2750, 0.4663**.

Distribution



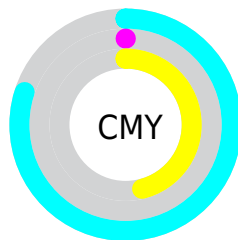
- Red (20%)
- Green (100%)
- Blue (54%)



- Red (20%)
- Yellow (76%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0300, 0.2750, 0.4889 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 74.0300, 0.2750, 0.4889 by changing the saturation by 10% instead.

 74.0300, 0.2750,
0.4889

 74.0300, 0.2750,
0.4889


474.5769, 0.2962,
0.4086

 54.8186, 0.2692,
0.5086

 124.9383, 0.2831,
0.4599


 39.2565, 0.2614,
0.5335

 157.4041, 0.2861,
0.4489

 26.9593, 0.2507,
0.5659


 195.0567, 0.2885,
0.4396

 17.5427, 0.2354,
0.6093

 238.2806, 0.2905,
0.4317

 10.6222, 0.2121,
0.6690

287.4601, 0.2923,
0.4247

 5.8134, 0.1766,
0.7599


342.9798, 0.2938,

 2.7319, 0.0749,


0.4187


0.9251

405.2239, 0.2951,
0.4133


 0.9934, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0300, 0.2750,
0.4889


 74.0300, 0.2750,
0.4889


 73.1444, 0.2769,
0.5102

 75.3376, 0.2750,
0.4663

 72.5916, 0.2805,
0.5297

 77.1193, 0.2769,
0.4433

 72.5905, 0.2805,
0.5297

 79.4212, 0.2806,
0.4207

 82.2835, 0.2856,
0.3991

 85.7421, 0.2916,
0.3790

 89.8300, 0.2983,
0.3605

 94.5774, 0.3054,
0.3438

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.



74.0300, 0.3673, 0.5152



74.0300, 0.2750, 0.4889



74.0300, 0.1981, 0.3870

Triad

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



74.0300, 0.2750, 0.4889



74.0300, 0.1757, 0.1860



74.0300, 0.4989, 0.3341

Complementary

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



74.0300, 0.2750, 0.4889



26.5003, 0.4269, 0.2281

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.



74.0300, 0.4298, 0.2708



74.0300, 0.2750, 0.4889



74.0300, 0.2348, 0.1900

Square

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



74.0300, 0.2750, 0.4889



74.0300, 0.1499, 0.2128



74.0300, 0.3266, 0.2199



74.0300, 0.5028, 0.4030

Rectangle

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



74.0300, 0.2750, 0.4889



74.0300, 0.1658, 0.3117



74.0300, 0.3266, 0.2199



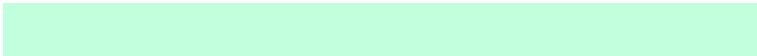
74.0300, 0.4824, 0.3122

Sweetspot

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



74.0307, 0.2750, 0.4889



88.1081, 0.2955, 0.3677



80.3082, 0.3551, 0.5386



18.5510, 0.2932, 0.3743



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.



74.0307, 0.2750, 0.4889



72.7855, 0.2790, 0.5222



78.3986, 0.2344, 0.3497



20.2951, 0.3058, 0.3431



37.9584, 0.2796, 0.5266



3.7171, 0.2734, 0.5042

Inverse Universe

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



26.5003, 0.4269, 0.2281



23.7442, 0.4586, 0.2316



24.0506, 0.5769, 0.3192



18.1634, 0.3203, 0.3153



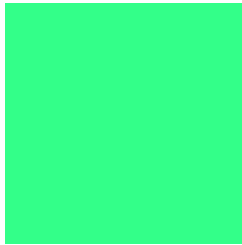
12.2495, 0.4632, 0.2325



1.2145, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 74.0300, 0.2750, 0.4889 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 74.0300, 0.2750, 0.4889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

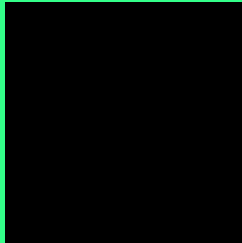
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0300, 0.2750, 0.4889

Background



This preview shows how black text looks on a background with the Yxy color 74.0300, 0.2750, 0.4889.

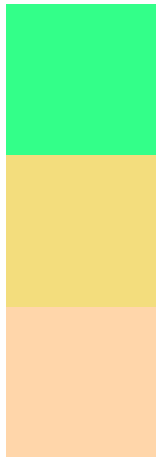


This preview shows how white text looks on a background with the Yxy color 74.0300, 0.2750, 0.4889.

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

74.0300, 0.2750, 0.4889

Protanopia

72.2483, 0.3945, 0.4285

Deuteranopia

72.2554, 0.3760, 0.3745



Tritanopia

73.2746, 0.2452, 0.3090

Trichromacy



Original Color

74.0300, 0.2750, 0.4889



Protanomaly

68.7470, 0.3345, 0.4569



Deuteranomaly

68.3310, 0.3241, 0.4159



Tritanomaly

72.3384, 0.2545, 0.3695

Monochromacy



Original Color

74.0300, 0.2750, 0.4889



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.8967, 0.2885, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0300, 0.2750, 0.4889 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 74.0300, 0.2750, 0.4889 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, 137) }
```

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

```
.border{ border-color:rgb(51, 255, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
137) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.0300, 0.2750, 0.4889$ 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, 137) }
```

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

```
.background{ background-color: rgb(51, 255,  
137) }
```

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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