

Converting Colors

$Y_{xy}(74.3227, 0.2711, 0.4755)$

Have a look what the booklet for
Yxy(74.3227, 0.2711, 0.4755)
contains.

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Color

Yxy(74.3304, 0.2710, 0.4751)

Conversions

Conversions Part 1

Format	Color
Hex	33FF93
RGB	51, 255, 147
RGB Percent	20%, 100%, 58%
CMY	0.7994, 0.0000, 0.4235
CMYK	0.80, 0.00, 0.42, 0.00
HSL	148°, 100%, 60%
HSV	148°, 80%, 100%
XYZ	42.3985, 74.3304, 39.7232
YIQ	181.6920, -86.9160, -76.8360

Conversions

Conversions Part 2

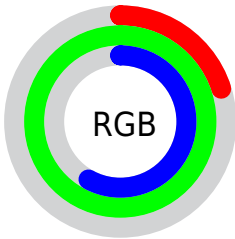
Format	Color
RYB	51, 190, 255
Decimal	3407763
CIELab	89.08, -70.89, 38.26
CIELCh	89, 80.552, 151.642
Yxy	74.3304, 0.2710, 0.4751
Android (android.graphics.Color)	4281597843 (0xFF33FF93)
YUV	181.6920, -17.1032, -114.6169
Hunter-Lab	86.2151, -63.0943, 33.0330

Details

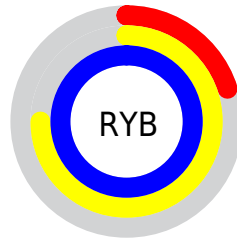
The Yxy color **74.3304, 0.2710, 0.4751** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **26.1490, 0.4420, 0.2373**, and the grayscale version is **46.7603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5301, 0.2718, 0.3935**, and **40.7587, 0.2743, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **73.4410, 0.2727, 0.4952**, and if you desaturate by 10%, it is **75.6384, 0.2713, 0.4542**.

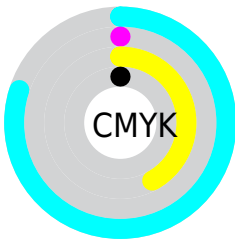
Distribution



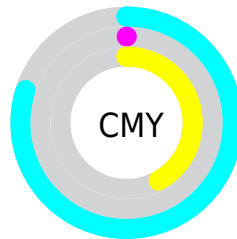
- Red (20%)
- Green (100%)
- Blue (58%)



- Red (20%)
- Yellow (75%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3304, 0.2710, 0.4751 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 74.3304, 0.2710, 0.4751 by changing the saturation by 10% instead.

 74.3304, 0.2710,
0.4751

 74.3304, 0.2710,
0.4751


475.6129, 0.2934,
0.4020

 55.0645, 0.2651,
0.4931


 125.3641, 0.2794,
0.4487


 39.4534, 0.2574,
0.5158

 157.9006, 0.2825,
0.4387

 27.1126, 0.2469,
0.5455


 195.6295, 0.2850,
0.4303

 17.6578, 0.2322,
0.5854

 238.9351, 0.2872,
0.4230

 10.7046, 0.2103,
0.6411

288.2019, 0.2891,
0.4167

 5.8686, 0.1759,
0.7220


343.8142, 0.2907,


 2.7653, 0.0911,

0.4112


0.9089


406.1564, 0.2921,
0.4063


 1.0105, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.3304, 0.2710,
0.4751


 74.3304, 0.2710,
0.4751


 73.4410, 0.2727,
0.4952


 75.6384, 0.2713,
0.4542

 72.8754, 0.2761,
0.5139

 77.4097, 0.2736,
0.4331

 72.8724, 0.2761,
0.5140

 79.6922, 0.2776,
0.4125

 82.5254, 0.2831,
0.3928

■ 85.9449, 0.2897,
0.3745

■ 89.9830, 0.2970,
0.3577

■ 94.6699, 0.3048,
0.3425

■ 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



74.3304, 0.3597, 0.5077



74.3304, 0.2710, 0.4751



74.3304, 0.1987, 0.3760

Triad

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



74.3304, 0.2710, 0.4751



74.3304, 0.1839, 0.1906



74.3304, 0.4932, 0.3399

Complementary

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



74.3304, 0.2710, 0.4751



26.1490, 0.4420, 0.2373

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.



74.3304, 0.4313, 0.2777



74.3304, 0.2710, 0.4751



74.3304, 0.2438, 0.1963

Square

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



74.3304, 0.2710, 0.4751



74.3304, 0.1565, 0.2145



74.3304, 0.3338, 0.2270



74.3304, 0.4932, 0.4069

Rectangle

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



74.3304, 0.2710, 0.4751



74.3304, 0.1690, 0.3058



74.3304, 0.3338, 0.2270



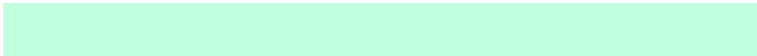
74.3304, 0.4790, 0.3184

Sweetspot

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



74.3334, 0.2710, 0.4751



88.2680, 0.2939, 0.3643



79.2192, 0.3486, 0.5433



18.5892, 0.2914, 0.3703



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.



74.3334, 0.2710, 0.4751



73.0748, 0.2747, 0.5067



79.0161, 0.2307, 0.3370



20.3104, 0.3051, 0.3419



38.1079, 0.2753, 0.5110



3.7323, 0.2693, 0.4895

Inverse Universe

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



26.1490, 0.4420, 0.2373



23.3712, 0.4785, 0.2427



23.9461, 0.5878, 0.3259



18.1479, 0.3211, 0.3165



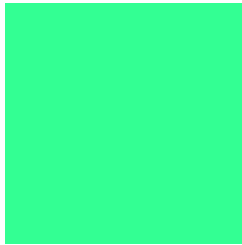
12.0545, 0.4838, 0.2439



1.1958, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 74.3304, 0.2710, 0.4751 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 74.3304, 0.2710, 0.4751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

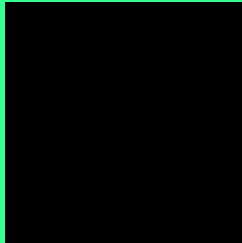
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

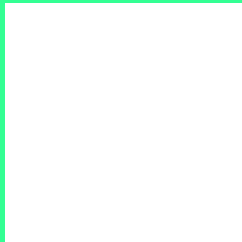
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3304, 0.2710, 0.4751

Background



This preview shows how black text looks on a background with the Yxy color 74.3304, 0.2710, 0.4751.

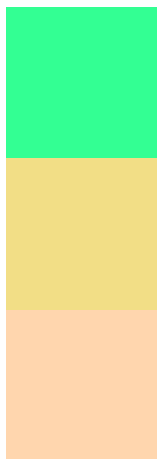


This preview shows how white text looks on a background with the Yxy color 74.3304, 0.2710, 0.4751.

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

74.3304, 0.2710, 0.4751

Protanopia

72.8410, 0.3876, 0.4211

Deuteranopia

72.4091, 0.3730, 0.3704



Tritanopia

73.4374, 0.2460, 0.3091

Trichromacy



Original Color

74.3304, 0.2710, 0.4751



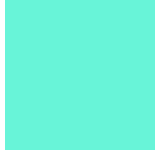
Protanomaly

69.5940, 0.3288, 0.4459



Deuteranomaly

68.5427, 0.3204, 0.4084



Tritanomaly

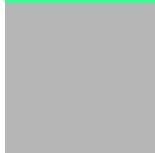
72.6023, 0.2531, 0.3641

Monochromacy



Original Color

74.3304, 0.2710, 0.4751



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.5338, 0.2861, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3304, 0.2710, 0.4751 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 74.3304, 0.2710, 0.4751 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, 147) }
```

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

```
.border{ border-color:rgb(51, 255, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3304, 0.2710, 0.4751 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, 147) }
```

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

```
.background{ background-color: rgb(51, 255,  
147) }
```

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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