

# Converting Colors

$Y_{xy}(75.2194, 0.2721, 0.4625)$

Have a look what the booklet for  
Yxy(75.2194, 0.2721, 0.4625)  
contains.

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# Color

**Yxy(75.2262, 0.2721, 0.4624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FF9B
RGB	71, 255, 155
RGB Percent	28%, 100%, 61%
CMY	0.7221, 0.0000, 0.3922
CMYK	0.72, 0.00, 0.39, 0.00
HSL	147°, 100%, 64%
HSV	147°, 72%, 100%
XYZ	44.2670, 75.2262, 43.1932
YIQ	188.5840, -77.5640, -70.1080

# Conversions

## Conversions Part 2

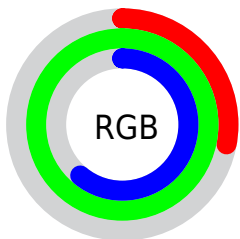
Format	Color
<a href="#">RYB</a>	<a href="#">71, 197, 255</a>
Decimal	<a href="#">4718491</a>
CIELab	<a href="#">89.50, -67.17, 34.94</a>
CIELCh	<a href="#">89, 75.711, 152.516</a>
Yxy	<a href="#">75.2262, 0.2721, 0.4624</a>
Android (android.graphics.Color)	<a href="#">4282908571 (0xFF47FF9B)</a>
YUV	<a href="#">188.5840, -16.5569, -103.1212</a>
Hunter-Lab	<a href="#">86.7330, -60.6796, 31.1866</a>

# Details

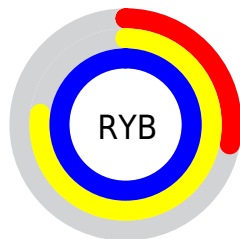
The Yxy color **75.2262, 0.2721, 0.4624** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.6853, 0.4206, 0.2374**, and the grayscale version is **50.7438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9239, 0.2734, 0.3825**, and **40.9118, 0.2705, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **74.0137, 0.2723, 0.4836**, and if you desaturate by 10%, it is **76.8855, 0.2738, 0.4408**.

# Distribution



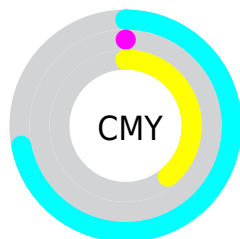
- Red (28%)
- Green (100%)
- Blue (61%)



- Red (28%)
- Yellow (77%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2262, 0.2721, 0.4624 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 75.2262, 0.2721, 0.4624 by changing the saturation by 10% instead.



 75.2262, 0.2721,  
0.4624

 75.2262, 0.2721,  
0.4624


478.6947, 0.2934,  
0.3960

 55.7982, 0.2666,  
0.4786


 126.6325, 0.2800,  
0.4385


 40.0412, 0.2594,  
0.4992


 159.3796, 0.2829,  
0.4295

 27.5706, 0.2499,  
0.5259


 197.3352, 0.2854,  
0.4218

 18.0023, 0.2364,  
0.5620

 240.8838, 0.2875,  
0.4152

 10.9516, 0.2167,  
0.6127

290.4096, 0.2893,  
0.4094

 6.0343, 0.1856,  
0.6869


346.2971, 0.2908,

 2.8660, 0.1257,

0.4044

0.8743


408.9306, 0.2922,  
0.4000


 1.0622, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.2262, 0.2721,  
0.4624

 75.2262, 0.2721,  
0.4624


 74.0137, 0.2723,  
0.4836


 76.8855, 0.2738,  
0.4408


 73.2073, 0.2746,  
0.5038

 79.0541, 0.2774,  
0.4194


 72.7927, 0.2773,  
0.5184


 81.7675, 0.2825,  
0.3990

 85.0620, 0.2887,  
0.3798

 88.9709, 0.2957,  
0.3622

 93.5248, 0.3032,  
0.3462

 98.7521, 0.3110,  
0.3319

 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.



75.2262, 0.3560, 0.4963



75.2262, 0.2721, 0.4624



75.2262, 0.2039, 0.3703

# Triad

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



75.2262, 0.2721, 0.4624



75.2262, 0.1919, 0.1976



75.2262, 0.4829, 0.3426

# Complementary

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



75.2262, 0.2721, 0.4624



28.6853, 0.4206, 0.2374

# 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.



75.2262, 0.4262, 0.2826



75.2262, 0.2721, 0.4624



75.2262, 0.2501, 0.2035

# Square

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



75.2262, 0.2721, 0.4624



75.2262, 0.1646, 0.2201



75.2262, 0.3356, 0.2336



75.2262, 0.4824, 0.4065



# Rectangle

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



75.2262, 0.2721, 0.4624



75.2262, 0.1760, 0.3055



75.2262, 0.3356, 0.2336



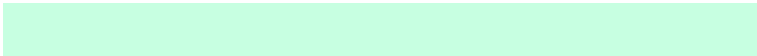
75.2262, 0.4699, 0.3219

# Sweetspot

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



75.2210, 0.2721, 0.4624



89.0591, 0.2958, 0.3618



80.7599, 0.3517, 0.5265



18.8213, 0.2939, 0.3665



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.



75.2210, 0.2721, 0.4624



73.5812, 0.2732, 0.4935



79.4958, 0.2349, 0.3398



20.3062, 0.3053, 0.3422



38.0650, 0.2765, 0.5154



3.7280, 0.2704, 0.4936



# Inverse Universe

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



28.6853, 0.4206, 0.2374



24.6773, 0.4535, 0.2352



26.3301, 0.5508, 0.3227



18.1521, 0.3209, 0.3162



12.1057, 0.4782, 0.2408

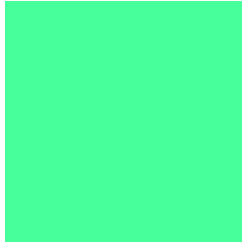


1.2008, 0.4552, 0.2281



# Previews

## White Background



This preview shows how the Yxy color 75.2262, 0.2721, 0.4624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

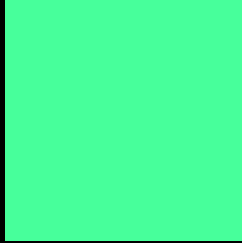
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2262, 0.2721, 0.4624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

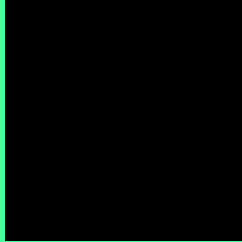
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

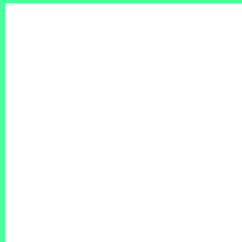
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2262, 0.2721, 0.4624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2262, 0.2721, 0.4624.

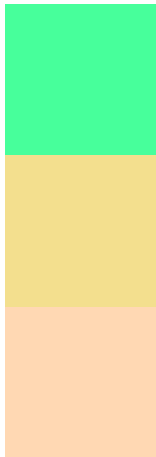


This preview shows how white text looks on a background with the Yxy color 75.2262, 0.2721, 0.4624.

# 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

75.2262, 0.2721, 0.4624

### Protanopia

73.7830, 0.3828, 0.4139

### Deuteranopia

73.6264, 0.3687, 0.3672



## Tritanopia

74.7038, 0.2496, 0.3104

# Trichromacy



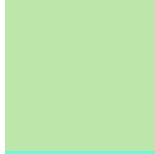
## Original Color

75.2262, 0.2721, 0.4624



## Protanomaly

71.2265, 0.3290, 0.4355



## Deuteranomaly

70.1873, 0.3215, 0.4009



## Tritanomaly

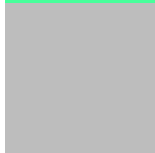
74.1323, 0.2564, 0.3610

# Monochromacy



## Original Color

75.2262, 0.2721, 0.4624



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.8738, 0.2891, 0.3773

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2262, 0.2721, 0.4624 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(71, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 155)  
}
```

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(71, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2262, 0.2721, 0.4624 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(71, 255, 155) }
```

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

```
.border{ border-color:rgb(71, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2262, 0.2721, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 155) }
```

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

```
.background{ background-color: rgb(71, 255,  
155) }
```

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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