

# Converting Colors

$Yxy(75.4769, 0.2674, 0.4489)$

Have a look what the booklet for  
Yxy(75.4769, 0.2674, 0.4489)  
contains.

<b>Yxy(75.5018, 0.2674, 0.4486)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(75.5018, 0.2674, 0.4486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45FFA5
RGB	69, 255, 165
RGB Percent	27%, 100%, 65%
CMY	0.7295, 0.0000, 0.3529
CMYK	0.73, 0.00, 0.35, 0.00
HSL	151°, 100%, 64%
HSV	151°, 73%, 100%
XYZ	45.0049, 75.5018, 47.7987
YIQ	189.1260, -81.9660, -67.4220

# Conversions

## Conversions Part 2

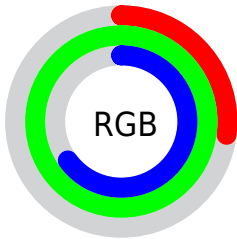
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 192, 255
Decimal	4587429
CIELab	89.63, -65.58, 30.11
CIELCh	90, 72.163, 155.335
Yxy	75.5018, 0.2674, 0.4486
Android (android.graphics.Color)	4282777509 (0xFF45FFA5)
YUV	189.1260, -11.8941, -105.3505
Hunter-Lab	86.8918, -59.6080, 28.2091

# Details

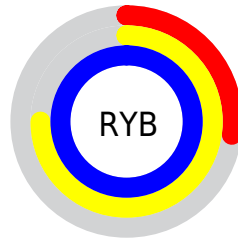
The Yxy color **75.5018, 0.2674, 0.4486** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.0173, 0.4383, 0.2474**, and the grayscale version is **51.0667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3159, 0.2673, 0.3690**, and **41.1024, 0.2660, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **74.3331, 0.2674, 0.4677**, and if you desaturate by 10%, it is **77.1134, 0.2694, 0.4293**.

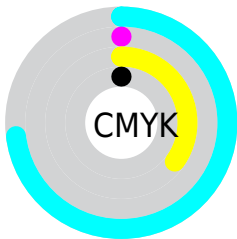
# Distribution



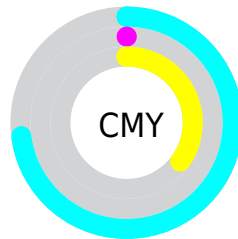
- Red (27%)
- Green (100%)
- Blue (65%)



- Red (27%)
- Yellow (75%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5018, 0.2674, 0.4486 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 75.5018, 0.2674, 0.4486 by changing the saturation by 10% instead.





 75.5018, 0.2674,  
0.4486

 75.5018, 0.2674,  
0.4486


479.6406, 0.2903,  
0.3894

 56.0241, 0.2617,  
0.4630


 127.0224, 0.2757,  
0.4273

 40.2222, 0.2544,  
0.4813


 159.8341, 0.2789,  
0.4193

 27.7119, 0.2447,  
0.5051


 197.8593, 0.2815,  
0.4124

 18.1086, 0.2315,  
0.5373

 241.4823, 0.2838,  
0.4065

 11.0280, 0.2124,  
0.5828

291.0875, 0.2857,  
0.4014

 6.0856, 0.1831,  
0.6504


347.0594, 0.2875,

 2.8972, 0.1282,


0.3969


0.7999


409.7822, 0.2890,  
0.3929


 1.0783, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.5018, 0.2674,  
0.4486


 75.5018, 0.2674,  
0.4486

 74.3331, 0.2674,  
0.4677


 77.1134, 0.2694,  
0.4293

 73.5516, 0.2694,  
0.4861

 79.2158, 0.2734,  
0.4104


 73.1757, 0.2718,  
0.4985


 81.8491, 0.2789,  
0.3923

 85.0496, 0.2856,  
0.3753

 88.8502, 0.2933,  
0.3596

 93.2812, 0.3016,  
0.3453

 98.3710, 0.3102,  
0.3325

 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.



75.5018, 0.3475, 0.4879



75.5018, 0.2674, 0.4486



75.5018, 0.2041, 0.3595

# Triad

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



75.5018, 0.2674, 0.4486



75.5018, 0.2008, 0.2022



75.5018, 0.4774, 0.3487

# Complementary

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



75.5018, 0.2674, 0.4486



28.0173, 0.4383, 0.2474

# 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.



75.5018, 0.4278, 0.2900



75.5018, 0.2674, 0.4486



75.5018, 0.2598, 0.2101

# Square

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



75.5018, 0.2674, 0.4486



75.5018, 0.1715, 0.2216



75.5018, 0.3432, 0.2412



75.5018, 0.4726, 0.4103



# Rectangle

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



75.5018, 0.2674, 0.4486



75.5018, 0.1790, 0.2994



75.5018, 0.3432, 0.2412



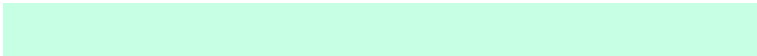
75.5018, 0.4666, 0.3285

# Sweetspot

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



75.5015, 0.2674, 0.4486



89.2420, 0.2941, 0.3582



79.6302, 0.3457, 0.5322



18.8643, 0.2919, 0.3622



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.



75.5015, 0.2674, 0.4486



73.8939, 0.2682, 0.4771



80.0047, 0.2312, 0.3288



20.3248, 0.3045, 0.3407



38.2662, 0.2710, 0.4956



3.7479, 0.2654, 0.4753



# Inverse Universe

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



28.0173, 0.4383, 0.2474



24.0883, 0.4774, 0.2479



25.9442, 0.5648, 0.3297



18.1335, 0.3218, 0.3176



11.8908, 0.5033, 0.2546

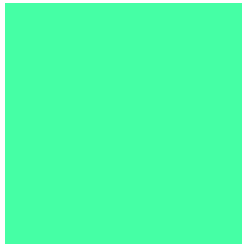


1.1797, 0.4770, 0.2401



# Previews

## White Background



This preview shows how the Yxy color 75.5018, 0.2674, 0.4486 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 75.5018, 0.2674, 0.4486 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 75.5018, 0.2674, 0.4486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5018, 0.2674, 0.4486.

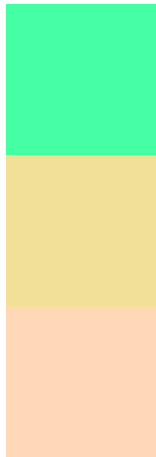


This preview shows how white text looks on a background with the Yxy color 75.5018, 0.2674, 0.4486.

# 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

75.5018, 0.2674, 0.4486

### Protanopia

73.9196, 0.3754, 0.4040

### Deuteranopia

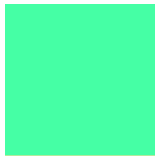
73.8324, 0.3650, 0.3620



## Tritanopia

74.7926, 0.2501, 0.3105

# Trichromacy



## Original Color

75.5018, 0.2674, 0.4486



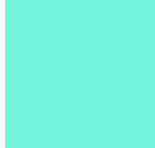
## Protanomaly

71.4347, 0.3225, 0.4236



## Deuteranomaly

70.3327, 0.3165, 0.3924



## Tritanomaly

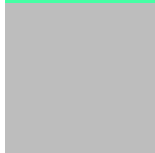
74.2917, 0.2550, 0.3572

# Monochromacy



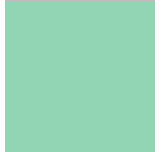
## Original Color

75.5018, 0.2674, 0.4486



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.9035, 0.2867, 0.3732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5018, 0.2674, 0.4486 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(69, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 165)  
}
```

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(69, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5018, 0.2674, 0.4486 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(69, 255, 165) }
```

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

```
.border{ border-color:rgb(69, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5018, 0.2674, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 165) }
```

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

```
.background{ background-color: rgb(69, 255,  
165) }
```

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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