

# Converting Colors

$Yxy(75.6810, 0.2749, 0.4605)$

Have a look what the booklet for  
Yxy(75.6810, 0.2749, 0.4605)  
contains.

<b>Yxy(75.7141, 0.2748, 0.4599)</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(75.7141, 0.2748, 0.4599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52FF9C
RGB	82, 255, 156
RGB Percent	32%, 100%, 61%
CMY	0.6783, 0.0000, 0.3883
CMYK	0.68, 0.00, 0.39, 0.00
HSL	146°, 100%, 66%
HSV	146°, 68%, 100%
XYZ	45.2408, 75.7141, 43.6768
YIQ	191.9870, -71.3290, -67.4650

# Conversions

## Conversions Part 2

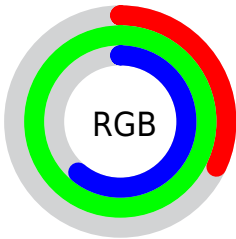
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 203, 255
Decimal	5439388
CIELab	89.73, -65.33, 34.79
CIELCh	90, 74.010, 151.964
Yxy	75.7141, 0.2748, 0.4599
Android (android.graphics.Color)	4283629468 (0xFF52FF9C)
YUV	191.9870, -17.7416, -96.4586
Hunter-Lab	87.0138, -59.4674, 31.1490

# Details

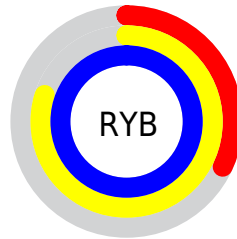
The Yxy color **75.7141, 0.2748, 0.4599** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.6355, 0.4043, 0.2355**, and the grayscale version is **52.8440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6127, 0.2762, 0.3808**, and **40.9320, 0.2700, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **74.3107, 0.2743, 0.4824**, and if you desaturate by 10%, it is **77.6028, 0.2772, 0.4372**.

# Distribution



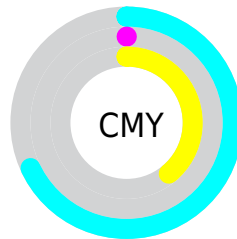
- Red (32%)
- Green (100%)
- Blue (61%)



- Red (32%)
- Yellow (80%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7141, 0.2748, 0.4599 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 75.7141, 0.2748, 0.4599 by changing the saturation by 10% instead.




 75.7141, 0.2748,  
0.4599


 75.7141, 0.2748,  
0.4599


480.3684, 0.2948,  
0.3950

 56.1981, 0.2696,  
0.4757


 127.3227, 0.2822,  
0.4365


 40.3618, 0.2629,  
0.4958


 160.1841, 0.2850,  
0.4277

 27.8207, 0.2538,  
0.5219


 198.2627, 0.2873,  
0.4202

 18.1906, 0.2411,  
0.5570

 241.9430, 0.2892,  
0.4137

 11.0869, 0.2224,  
0.6063

291.6093, 0.2909,  
0.4081

 6.1253, 0.1927,  
0.6784


347.6461, 0.2924,

 2.9214, 0.1414,


0.4032


0.8586


410.4376, 0.2936,  
0.3988


 1.0908, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.7141, 0.2748,  
0.4599

 75.7141, 0.2748,  
0.4599


 74.3107, 0.2743,  
0.4824


 77.6028, 0.2772,  
0.4372

 73.3387, 0.2758,  
0.5039


 80.0188, 0.2812,  
0.4150

 72.7300, 0.2791,  
0.5237

 83.0019, 0.2865,  
0.3939

 72.6250, 0.2799,  
0.5277

 86.5872, 0.2927,  
0.3743

 90.8070, 0.2997,  
0.3564

 95.6912, 0.3069,  
0.3404

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.



75.7141, 0.3571, 0.4920



75.7141, 0.2748, 0.4599



75.7141, 0.2074, 0.3712

# Triad

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



75.7141, 0.2748, 0.4599



75.7141, 0.1936, 0.2003



75.7141, 0.4783, 0.3417

# Complementary

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



75.7141, 0.2748, 0.4599



30.6355, 0.4043, 0.2355

# 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.



75.7141, 0.4220, 0.2828



75.7141, 0.2748, 0.4599



75.7141, 0.2503, 0.2056

# Square

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



75.7141, 0.2748, 0.4599



75.7141, 0.1673, 0.2233



75.7141, 0.3335, 0.2348



75.7141, 0.4793, 0.4044



# Rectangle

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



75.7141, 0.2748, 0.4599



75.7141, 0.1794, 0.3080



75.7141, 0.3335, 0.2348



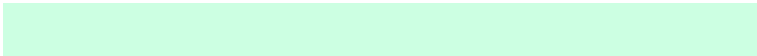
75.7141, 0.4652, 0.3213

# Sweetspot

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



75.7148, 0.2748, 0.4599



89.8378, 0.2981, 0.3602



82.1877, 0.3553, 0.5142



18.9696, 0.2962, 0.3651



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.



75.7148, 0.2748, 0.4599



73.9590, 0.2746, 0.4894



79.6409, 0.2393, 0.3462



20.2971, 0.3057, 0.3429



37.9766, 0.2791, 0.5247



3.7190, 0.2729, 0.5023



# Inverse Universe

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



30.6355, 0.4043, 0.2355



26.1889, 0.4309, 0.2291



28.1505, 0.5230, 0.3174



18.1614, 0.3204, 0.3155



12.2231, 0.4659, 0.2340

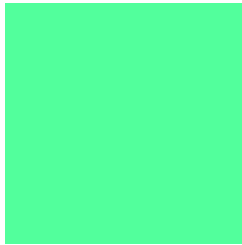


1.2120, 0.4447, 0.2224



# Previews

## White Background



This preview shows how the Yxy color 75.7141, 0.2748, 0.4599 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 75.7141, 0.2748, 0.4599 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 75.7141, 0.2748, 0.4599**

## Background



This preview shows how black text looks on a background with the Yxy color 75.7141, 0.2748, 0.4599.

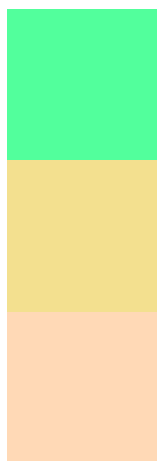


This preview shows how white text looks on a background with the Yxy color 75.7141, 0.2748, 0.4599.

# 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

75.7141, 0.2748, 0.4599

### Protanopia

74.3492, 0.3817, 0.4139

### Deuteranopia

74.2631, 0.3662, 0.3651



## Tritanopia

75.1560, 0.2518, 0.3106

# Trichromacy



## Original Color

75.7141, 0.2748, 0.4599



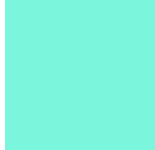
## Protanomaly

71.7451, 0.3312, 0.4334



## Deuteranomaly

71.3754, 0.3223, 0.3976



## Tritanomaly

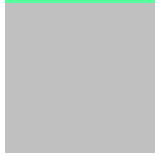
74.6302, 0.2592, 0.3608

# Monochromacy



## Original Color

75.7141, 0.2748, 0.4599



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

58.5310, 0.2919, 0.3765

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7141, 0.2748, 0.4599 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(82, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7141, 0.2748, 0.4599 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(82, 255, 156) }
```

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

```
.border{ border-color:rgb(82, 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(82, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7141, 0.2748, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 156) }
```

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

```
.background{ background-color: rgb(82, 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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