

# Converting Colors

$Y_{xy}(75.1563, 0.2763, 0.4719)$

Have a look what the booklet for  
Yxy(75.1563, 0.2763, 0.4719)  
contains.

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# Color

**Yxy(75.1540, 0.2761, 0.4716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BFF94
RGB	75, 255, 148
RGB Percent	29%, 100%, 58%
CMY	0.7064, 0.0000, 0.4196
CMYK	0.71, 0.00, 0.42, 0.00
HSL	144°, 100%, 65%
HSV	144°, 71%, 100%
XYZ	43.9992, 75.1540, 40.2064
YIQ	188.9820, -72.9330, -71.4370

# Conversions

## Conversions Part 2

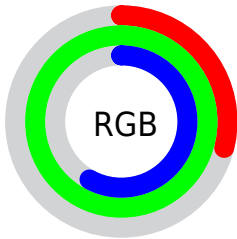
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 203, 255
Decimal	4980628
CIELab	89.47, -67.80, 38.35
CIElCh	89, 77.898, 150.507
Yxy	75.1540, 0.2761, 0.4716
Android (android.graphics.Color)	4283170708 (0xFF4BFF94)
YUV	188.9820, -20.2041, -99.9622
Hunter-Lab	86.6914, -61.1144, 33.1860

# Details

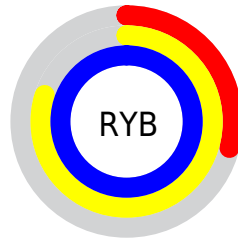
The Yxy color **75.1540, 0.2761, 0.4716** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **29.6450, 0.4046, 0.2299**, and the grayscale version is **51.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7611, 0.2777, 0.3912**, and **40.7770, 0.2738, 0.5057** is the 20% darker color. If you saturate the color by 10%, you get **73.8717, 0.2763, 0.4946**, and if you desaturate by 10%, it is **76.9000, 0.2778, 0.4480**.

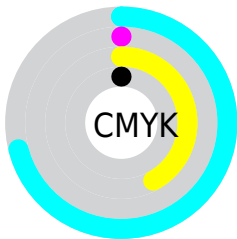
# Distribution



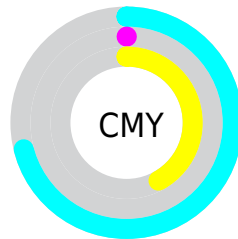
- Red (29%)
- Green (100%)
- Blue (58%)



- Red (29%)
- Yellow (80%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1540, 0.2761, 0.4716 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 75.1540, 0.2761, 0.4716 by changing the saturation by 10% instead.




 75.1540, 0.2761,  
0.4716


 75.1540, 0.2761,  
0.4716


478.4467, 0.2960,  
0.4005


 55.7391, 0.2708,  
0.4890


 126.5303, 0.2836,  
0.4460


 39.9938, 0.2638,  
0.5110


 159.2605, 0.2863,  
0.4363

 27.5337, 0.2543,  
0.5396


 197.1979, 0.2886,  
0.4281

 17.9744, 0.2409,  
0.5780

 240.7269, 0.2906,  
0.4210

 10.9316, 0.2207,  
0.6315

290.2319, 0.2922,  
0.4149

 6.0209, 0.1885,  
0.7090


346.0972, 0.2936,


 2.8578, 0.1209,


0.4095


0.8791

408.7074, 0.2949,  
0.4047


 1.0579, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.1540, 0.2761,  
0.4716


 75.1540, 0.2761,  
0.4716


 73.8717, 0.2763,  
0.4946


 76.9000, 0.2778,  
0.4480


 73.0138, 0.2784,  
0.5161


 79.1717, 0.2812,  
0.4248

 72.5102, 0.2818,  
0.5343


 82.0043, 0.2860,  
0.4025

 85.4343, 0.2918,  
0.3816

 89.4949, 0.2983,  
0.3625

 94.2167, 0.3052,  
0.3453

 99.6285, 0.3123,  
0.3299

 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.



75.1540, 0.3623, 0.5008



75.1540, 0.2761, 0.4716



75.1540, 0.2047, 0.3785

# Triad

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



75.1540, 0.2761, 0.4716



75.1540, 0.1862, 0.1950



75.1540, 0.4856, 0.3380

# Complementary

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



75.1540, 0.2761, 0.4716



29.6450, 0.4046, 0.2299

# 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.



75.1540, 0.4238, 0.2775



75.1540, 0.2761, 0.4716



75.1540, 0.2434, 0.1994

# Square

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



75.1540, 0.2761, 0.4716



75.1540, 0.1605, 0.2199



75.1540, 0.3296, 0.2285



75.1540, 0.4886, 0.4032



# Rectangle

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



75.1540, 0.2761, 0.4716



75.1540, 0.1747, 0.3107



75.1540, 0.3296, 0.2285



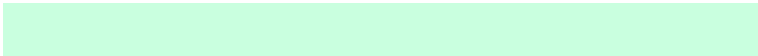
75.1540, 0.4710, 0.3171

# Sweetspot

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



75.1487, 0.2761, 0.4716



89.3382, 0.2980, 0.3632



82.0867, 0.3576, 0.5191



18.8696, 0.2962, 0.3683



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.



75.1487, 0.2761, 0.4716



73.4500, 0.2770, 0.5042



79.1240, 0.2391, 0.3507



20.2904, 0.3060, 0.3435



37.9159, 0.2809, 0.5313



3.7127, 0.2746, 0.5087



# Inverse Universe

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



29.6450, 0.4046, 0.2299



25.4518, 0.4319, 0.2247



27.0618, 0.5321, 0.3150



18.1682, 0.3201, 0.3150



12.3144, 0.4569, 0.2291

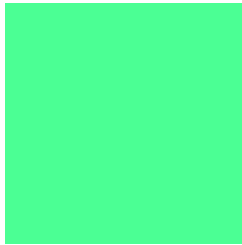


1.2207, 0.4371, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 75.1540, 0.2761, 0.4716 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 75.1540, 0.2761, 0.4716 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 75.1540, 0.2761, 0.4716**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1540, 0.2761, 0.4716.

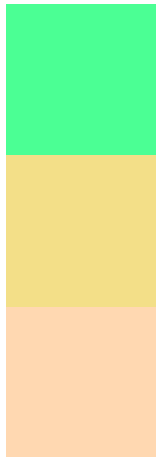


This preview shows how white text looks on a background with the Yxy color 75.1540, 0.2761, 0.4716.

# 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

75.1540, 0.2761, 0.4716

### Protanopia

73.6076, 0.3867, 0.4198

### Deuteranopia

73.5461, 0.3702, 0.3692



## Tritanopia

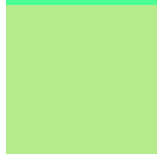
74.7926, 0.2501, 0.3105

# Trichromacy



## Original Color

75.1540, 0.2761, 0.4716



## Protanomaly

71.2552, 0.3343, 0.4433



## Deuteranomaly

70.1656, 0.3247, 0.4056



## Tritanomaly

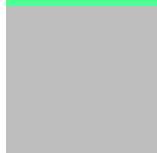
74.1142, 0.2585, 0.3649

# Monochromacy



## Original Color

75.1540, 0.2761, 0.4716



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.8475, 0.2916, 0.3814

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1540, 0.2761, 0.4716 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(75, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 148)  
}
```

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(75, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1540, 0.2761, 0.4716 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(75, 255, 148) }
```

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

```
.border{ border-color:rgb(75, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1540, 0.2761, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 148) }
```

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

```
.background{ background-color: rgb(75, 255,  
148) }
```

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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