

# Converting Colors

$Yxy(76.5794, 0.2838, 0.4641)$

Have a look what the booklet for  
Yxy(76.5794, 0.2838, 0.4641)  
contains.

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# Color

**Yxy(76.5791, 0.2838, 0.4641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FF97
RGB	102, 255, 151
RGB Percent	40%, 100%, 59%
CMY	0.5999, 0.0000, 0.4078
CMYK	0.60, 0.00, 0.41, 0.00
HSL	139°, 100%, 70%
HSV	139°, 60%, 100%
XYZ	46.8286, 76.5791, 41.5979
YIQ	197.3970, -57.8040, -64.7800

# Conversions

## Conversions Part 2

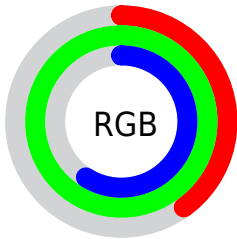
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 218, 255
Decimal	6750103
CIELab	90.13, -62.54, 37.86
CIElCh	90, 73.105, 148.813
Yxy	76.5791, 0.2838, 0.4641
Android (android.graphics.Color)	4284940183 (0xFF66FF97)
YUV	197.3970, -22.8737, -83.6632
Hunter-Lab	87.5095, -57.6216, 33.0729

# Details

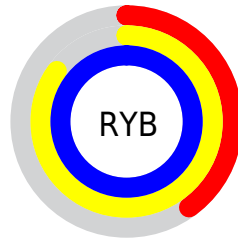
The Yxy color **76.5791, 0.2838, 0.4641** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.2250, 0.3697, 0.2279**, and the grayscale version is **56.2608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9756, 0.2867, 0.3857**, and **40.9115, 0.2735, 0.5001** is the 20% darker color. If you saturate the color by 10%, you get **74.7907, 0.2825, 0.4906**, and if you desaturate by 10%, it is **78.9130, 0.2867, 0.4376**.

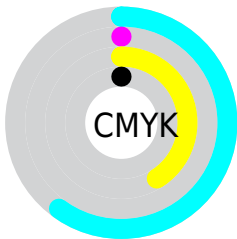
# Distribution



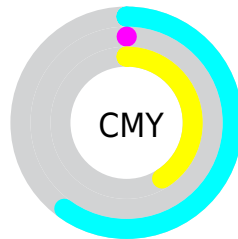
- Red (40%)
- Green (100%)
- Blue (59%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5791, 0.2838, 0.4641 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 76.5791, 0.2838, 0.4641 by changing the saturation by 10% instead.




 76.5791, 0.2838,  
0.4641


 76.5791, 0.2838,  
0.4641


483.3278, 0.2998,  
0.3973

 56.9075, 0.2794,  
0.4803


 128.5452, 0.2899,  
0.4401

 40.9310, 0.2737,  
0.5008


 161.6084, 0.2921,  
0.4310

 28.2652, 0.2658,  
0.5273


 199.9043, 0.2940,  
0.4233

 18.5256, 0.2545,  
0.5629

243.8173, 0.2955,  
0.4166

 11.3280, 0.2373,  
0.6123

293.7317, 0.2968,  
0.4108

 6.2879, 0.2093,  
0.6836


350.0320, 0.2980,


 3.0209, 0.1637,


0.4057


0.8363

413.1026, 0.2990,  
0.4012


 1.1427, 0.0000,  
1.0000

 0.0141, 0.0000,  
1.0000


 76.5791, 0.2838,  
0.4641


 76.5791, 0.2838,  
0.4641


 74.7907, 0.2825,  
0.4906

 78.9130, 0.2867,  
0.4376


 73.4937, 0.2828,  
0.5158


 81.8269, 0.2907,  
0.4120

 72.6347, 0.2849,  
0.5386

 85.3603, 0.2956,  
0.3881

 72.1246, 0.2883,  
0.5579

 89.5474, 0.3011,  
0.3662

 72.1241, 0.2883,  
0.5579

 94.4196, 0.3069,  
0.3465

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.



76.5791, 0.3652, 0.4887



76.5791, 0.2838, 0.4641



76.5791, 0.2147, 0.3808

# Triad

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



76.5791, 0.2838, 0.4641



76.5791, 0.1911, 0.2030



76.5791, 0.4723, 0.3354

# Complementary

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



76.5791, 0.2838, 0.4641



35.2250, 0.3697, 0.2279

# 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.



76.5791, 0.4120, 0.2779



76.5791, 0.2838, 0.4641



76.5791, 0.2440, 0.2055

# Square

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



76.5791, 0.2838, 0.4641



76.5791, 0.1681, 0.2292



76.5791, 0.3239, 0.2320



76.5791, 0.4793, 0.3973



# Rectangle

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



76.5791, 0.2838, 0.4641



76.5791, 0.1846, 0.3177



76.5791, 0.3239, 0.2320



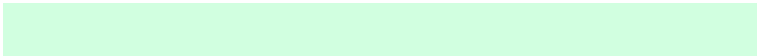
76.5791, 0.4575, 0.3154

# Sweetspot

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



76.5814, 0.2838, 0.4641



90.4609, 0.3022, 0.3621



85.6818, 0.3640, 0.4890



19.0782, 0.3006, 0.3681



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.



76.5814, 0.2838, 0.4641



74.4918, 0.2824, 0.4958



79.8900, 0.2503, 0.3629



20.2640, 0.3072, 0.3456



37.7104, 0.2875, 0.5550



3.6907, 0.2812, 0.5325



# Inverse Universe

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



35.2250, 0.3697, 0.2279



29.8122, 0.3861, 0.2151



32.3820, 0.4668, 0.3022



18.1956, 0.3187, 0.3130



12.7205, 0.4226, 0.2102

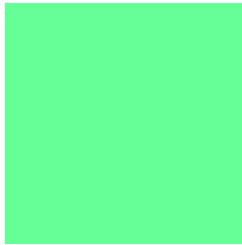


1.2585, 0.4080, 0.2022



# Previews

## White Background



This preview shows how the Yxy color 76.5791, 0.2838, 0.4641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

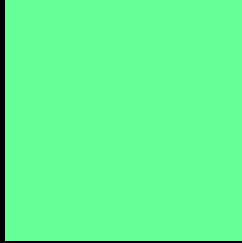
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5791, 0.2838, 0.4641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

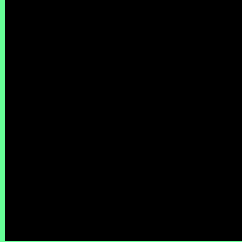
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.5791, 0.2838, 0.4641**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5791, 0.2838, 0.4641.

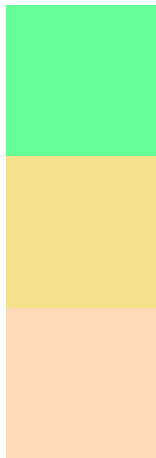


This preview shows how white text looks on a background with the Yxy color 76.5791, 0.2838, 0.4641.

# 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

76.5791, 0.2838, 0.4641

### Protanopia

75.1270, 0.3854, 0.4182

### Deuteranopia

74.8217, 0.3652, 0.3650



## Tritanopia

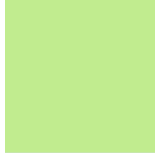
76.0209, 0.2560, 0.3108

# Trichromacy



## Original Color

76.5791, 0.2838, 0.4641



## Protanomaly

73.3115, 0.3402, 0.4380



## Deuteranomaly

72.2342, 0.3285, 0.3990



## Tritanomaly

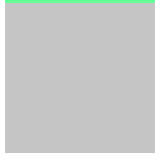
75.5488, 0.2658, 0.3629

# Monochromacy



## Original Color

76.5791, 0.2838, 0.4641



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

61.1195, 0.2980, 0.3778

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5791, 0.2838, 0.4641 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(102, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 151)  
}
```

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(102, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5791, 0.2838, 0.4641 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(102, 255, 151) }
```

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

```
.border{ border-color:rgb(102, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5791, 0.2838, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 151) }
```

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

```
.background{ background-color: rgb(102,  
255, 151) }
```

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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