

# Converting Colors

$Yxy(77.5637, 0.2880, 0.4579)$

Have a look what the booklet for  
Yxy(77.5637, 0.2880, 0.4579)  
contains.

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# Color

**Yxy(77.5661, 0.2882, 0.4581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74FF9A
RGB	116, 255, 154
RGB Percent	45%, 100%, 60%
CMY	0.5449, 0.0000, 0.3962
CMYK	0.54, 0.00, 0.40, 0.00
HSL	136°, 100%, 73%
HSV	136°, 54%, 100%
XYZ	48.7984, 77.5661, 42.9568
YIQ	201.9250, -50.4230, -60.8790

# Conversions

## Conversions Part 2

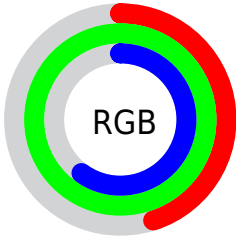
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">116, 225, 255</a>
Decimal	<a href="#">7667610</a>
CIELab	<a href="#">90.58, -59.04, 37.08</a>
CIELCh	<a href="#">91, 69.712, 147.870</a>
Yxy	<a href="#">77.5661, 0.2882, 0.4581</a>
Android (android.graphics.Color)	<a href="#">4285857690 (0xFF74FF9A)</a>
YUV	<a href="#">201.9250, -23.6270, -75.3562</a>
Hunter-Lab	<a href="#">88.0716, -55.2227, 32.7315</a>

# Details

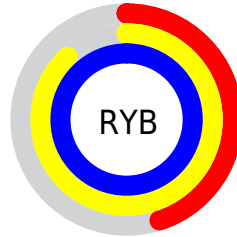
The Yxy color **77.5661, 0.2882, 0.4581** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.7784, 0.3555, 0.2297**, and the grayscale version is **59.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4706, 0.2916, 0.3812**, and **41.4962, 0.2790, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **75.4830, 0.2863, 0.4863**, and if you desaturate by 10%, it is **80.2299, 0.2914, 0.4302**.

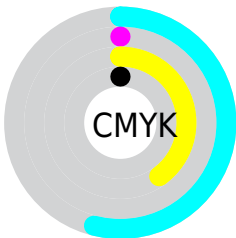
# Distribution



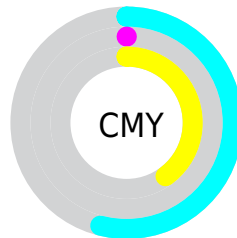
- Red (45%)
- Green (100%)
- Blue (60%)



- Red (45%)
- Yellow (88%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5661, 0.2882, 0.4581 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 77.5661, 0.2882, 0.4581 by changing the saturation by 10% instead.





 77.5661, 0.2882,  
0.4581

 77.5661, 0.2882,  
0.4581

486.6920, 0.3020,  
0.3946

 57.7176, 0.2844,  
0.4734


 129.9383, 0.2935,  
0.4354

 41.5817, 0.2794,  
0.4928


 163.2308, 0.2954,  
0.4267

 28.7739, 0.2725,  
0.5178


 201.7734, 0.2970,  
0.4193

 18.9098, 0.2625,  
0.5512

245.9505, 0.2983,  
0.4130

 11.6051, 0.2473,  
0.5976

296.1465, 0.2994,  
0.4075

 6.4754, 0.2223,  
0.6648


352.7458, 0.3004,


 3.1363, 0.1877,


0.4027


0.8123


416.1329, 0.3012,  
0.3984


 1.2033, 0.0000,  
1.0000

 0.0644, 0.0000,  
1.0000


 77.5661, 0.2882,  
0.4581


 77.5661, 0.2882,  
0.4581


 75.4830, 0.2863,  
0.4863


 80.2299, 0.2914,  
0.4302


 73.9274, 0.2858,  
0.5135


 83.5057, 0.2955,  
0.4037

 72.8506, 0.2870,  
0.5383

 87.4324, 0.3002,  
0.3792

 72.1901, 0.2896,  
0.5592

 92.0433, 0.3052,  
0.3569

 71.9569, 0.2914,  
0.5689

 97.3696, 0.3104,  
0.3371

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.



77.5661, 0.3661, 0.4803



77.5661, 0.2882, 0.4581



77.5661, 0.2212, 0.3811

# Triad

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



77.5661, 0.2882, 0.4581



77.5661, 0.1951, 0.2088



77.5661, 0.4633, 0.3341

# Complementary

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



77.5661, 0.2882, 0.4581



38.7784, 0.3555, 0.2297

# 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.



77.5661, 0.4047, 0.2788



77.5661, 0.2882, 0.4581



77.5661, 0.2453, 0.2101

# Square

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



77.5661, 0.2882, 0.4581



77.5661, 0.1738, 0.2353



77.5661, 0.3210, 0.2350



77.5661, 0.4723, 0.3937



# Rectangle

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



77.5661, 0.2882, 0.4581



77.5661, 0.1914, 0.3215



77.5661, 0.3210, 0.2350



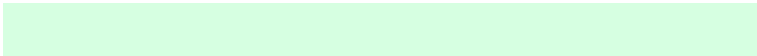
77.5661, 0.4486, 0.3149

# Sweetspot

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



77.5690, 0.2882, 0.4581



91.3007, 0.3045, 0.3601



87.6798, 0.3658, 0.4730



19.3314, 0.3034, 0.3646



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.



77.5690, 0.2882, 0.4581



75.3908, 0.2862, 0.4877



80.5420, 0.2569, 0.3680



20.2496, 0.3078, 0.3468



37.6203, 0.2906, 0.5662



3.6804, 0.2846, 0.5445



# Inverse Universe

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



38.7784, 0.3555, 0.2297



33.0883, 0.3670, 0.2152



35.9173, 0.4364, 0.2965



18.2108, 0.3180, 0.3119



12.9748, 0.4048, 0.2003

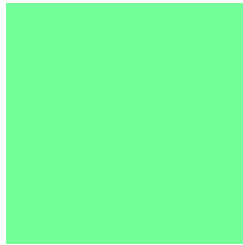


1.2817, 0.3930, 0.1938



# Previews

## White Background



This preview shows how the Yxy color 77.5661, 0.2882, 0.4581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

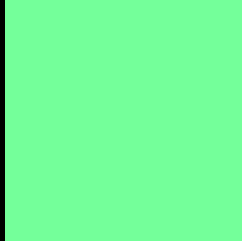
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5661, 0.2882, 0.4581 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 77.5661, 0.2882, 0.4581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5661, 0.2882, 0.4581.

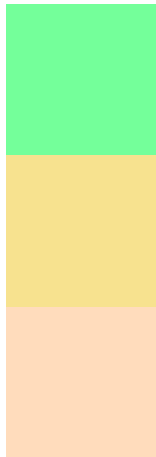


This preview shows how white text looks on a background with the Yxy color 77.5661, 0.2882, 0.4581.

# 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

77.5661, 0.2882, 0.4581

### Protanopia

76.1500, 0.3840, 0.4147

### Deuteranopia

76.0772, 0.3611, 0.3618



## Tritanopia

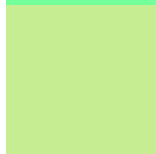
76.9523, 0.2604, 0.3110

# Trichromacy



## Original Color

77.5661, 0.2882, 0.4581



## Protanomaly

74.8171, 0.3419, 0.4328



## Deuteranomaly

74.2498, 0.3287, 0.3944



## Tritanomaly

76.5698, 0.2705, 0.3612

# Monochromacy



## Original Color

77.5661, 0.2882, 0.4581



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

63.8736, 0.3010, 0.3740

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5661, 0.2882, 0.4581 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(116, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 154)  
}
```

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(116, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5661, 0.2882, 0.4581 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(116, 255, 154) }
```

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

```
.border{ border-color:rgb(116, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.5661, 0.2882, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 154) }
```

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

```
.background{ background-color: rgb(116,  
255, 154) }
```

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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