

# Converting Colors

Yxy(76.7126, 0.2850, 0.4645)

Have a look what the booklet for  
Yxy(76.7126, 0.2850, 0.4645)  
contains.

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# Color

**Yxy(76.6651, 0.2850, 0.4652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68FF96
RGB	104, 255, 150
RGB Percent	41%, 100%, 59%
CMY	0.5924, 0.0000, 0.4118
CMYK	0.59, 0.00, 0.41, 0.00
HSL	138°, 100%, 70%
HSV	138°, 59%, 100%
XYZ	46.9681, 76.6651, 41.1671
YIQ	197.8810, -56.2910, -64.6670

# Conversions

## Conversions Part 2

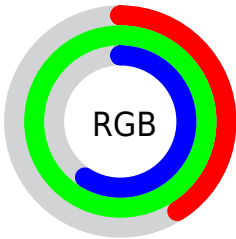
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 220, 255</a>
Decimal	<a href="#">6881174</a>
<a href="#">CIELab</a>	<a href="#">90.17, -62.32, 38.43</a>
<a href="#">CIELCh</a>	<a href="#">90, 73.215, 148.341</a>
<a href="#">Yxy</a>	<a href="#">76.6651, 0.2850, 0.4652</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4285071254 (0xFF68FF96)</a>
<a href="#">YUV</a>	<a href="#">197.8810, -23.6053, -82.3336</a>
<a href="#">Hunter-Lab</a>	<a href="#">87.5586, -57.4768, 33.4149</a>

# Details

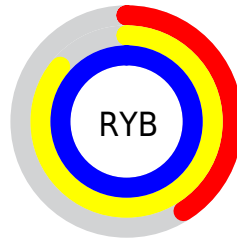
The Yxy color **76.6651, 0.2850, 0.4652** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.7527, 0.3660, 0.2268**, and the grayscale version is **56.5562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0348, 0.2877, 0.3869**, and **40.9631, 0.2749, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **74.8316, 0.2836, 0.4922**, and if you desaturate by 10%, it is **79.0388, 0.2878, 0.4382**.

# Distribution



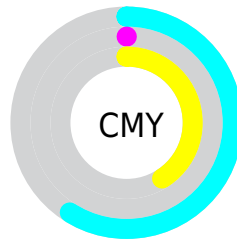
- Red (41%)
- Green (100%)
- Blue (59%)



- Red (41%)
- Yellow (86%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6651, 0.2850, 0.4652 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 76.6651, 0.2850, 0.4652 by changing the saturation by 10% instead.




 76.6651, 0.2850,  
0.4652


 76.6651, 0.2850,  
0.4652


483.6214, 0.3005,  
0.3978

 56.9781, 0.2807,  
0.4815


 128.6666, 0.2910,  
0.4410

 40.9876, 0.2751,  
0.5021


 161.7499, 0.2931,  
0.4318

 28.3094, 0.2673,  
0.5289


 200.0674, 0.2949,  
0.4240

 18.5590, 0.2561,  
0.5646

244.0034, 0.2964,  
0.4173

 11.3521, 0.2390,  
0.6142

293.9425, 0.2976,  
0.4115

 6.3042, 0.2111,  
0.6856


350.2689, 0.2987,


 3.0309, 0.1654,


0.4064


0.8346


413.3671, 0.2997,  
0.4018


 1.1479, 0.0000,  
1.0000


 0.0185, 0.0000,  
1.0000


 76.6651, 0.2850,  
0.4652


 76.6651, 0.2850,  
0.4652


 74.8316, 0.2836,  
0.4922


 79.0388, 0.2878,  
0.4382

 73.5024, 0.2839,  
0.5179

 82.0050, 0.2918,  
0.4121


 72.6184, 0.2858,  
0.5409

 85.5973, 0.2966,  
0.3877

 72.0980, 0.2891,  
0.5604

 89.8497, 0.3020,  
0.3655

 72.0659, 0.2894,  
0.5617

 94.7940, 0.3075,  
0.3455

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.



76.6651, 0.3665, 0.4887



76.6651, 0.2850, 0.4652



76.6651, 0.2155, 0.3824

# Triad

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



76.6651, 0.2850, 0.4652



76.6651, 0.1904, 0.2031



76.6651, 0.4720, 0.3344

# Complementary

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



76.6651, 0.2850, 0.4652



35.7527, 0.3660, 0.2268

# 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.



76.6651, 0.4108, 0.2770



76.6651, 0.2850, 0.4652



76.6651, 0.2429, 0.2051

# Square

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



76.6651, 0.2850, 0.4652



76.6651, 0.1678, 0.2297



76.6651, 0.3225, 0.2313



76.6651, 0.4798, 0.3964



# Rectangle

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



76.6651, 0.2850, 0.4652



76.6651, 0.1850, 0.3191



76.6651, 0.3225, 0.2313



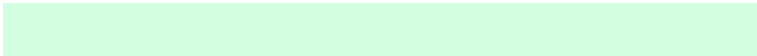
76.6651, 0.4568, 0.3145

# Sweetspot

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



76.6615, 0.2850, 0.4652



90.4223, 0.3026, 0.3629



86.1739, 0.3653, 0.4862



19.0690, 0.3010, 0.3690



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.



76.6615, 0.2850, 0.4652



74.5621, 0.2835, 0.4968



79.8849, 0.2518, 0.3656



20.2593, 0.3074, 0.3460



37.6791, 0.2886, 0.5588



3.6871, 0.2824, 0.5365



# Inverse Universe

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



35.7527, 0.3660, 0.2268



30.3130, 0.3811, 0.2136



32.8764, 0.4605, 0.2998



18.2005, 0.3185, 0.3126



12.8014, 0.4167, 0.2069

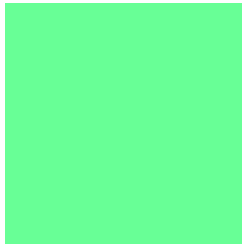


1.2659, 0.4030, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 76.6651, 0.2850, 0.4652 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 76.6651, 0.2850, 0.4652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

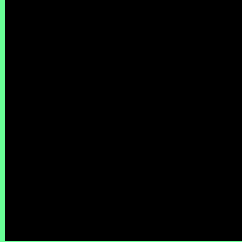
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.6651, 0.2850, 0.4652**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6651, 0.2850, 0.4652.

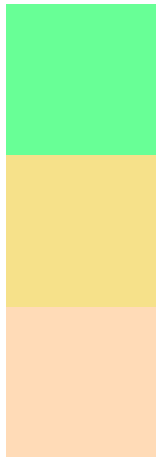


This preview shows how white text looks on a background with the Yxy color 76.6651, 0.2850, 0.4652.

# 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

76.6651, 0.2850, 0.4652

### Protanopia

75.2782, 0.3868, 0.4189

### Deuteranopia

75.3419, 0.3649, 0.3660



## Tritanopia

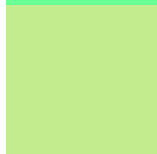
76.1211, 0.2565, 0.3108

# Trichromacy



## Original Color

76.6651, 0.2850, 0.4652



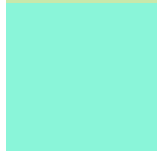
## Protanomaly

73.4132, 0.3415, 0.4388



## Deuteranomaly

72.9329, 0.3291, 0.3998



## Tritanomaly

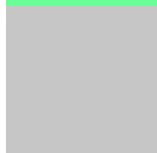
75.7178, 0.2667, 0.3628

# Monochromacy



## Original Color

76.6651, 0.2850, 0.4652



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

61.8917, 0.2988, 0.3775

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6651, 0.2850, 0.4652 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(104, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 150)  
}
```

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(104, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6651, 0.2850, 0.4652 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(104, 255, 150) }
```

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

```
.border{ border-color:rgb(104, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6651, 0.2850, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 150) }
```

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

```
.background{ background-color: rgb(104,  
255, 150) }
```

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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