

# Converting Colors

$Yxy(76.6285, 0.2880, 0.4714)$

Have a look what the booklet for  
Yxy(76.6285, 0.2880, 0.4714)  
contains.

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# Color

**Yxy(76.6285, 0.2880, 0.4714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFF91
RGB	106, 255, 145
RGB Percent	42%, 100%, 57%
CMY	0.5842, 0.0000, 0.4314
CMYK	0.58, 0.00, 0.43, 0.00
HSL	136°, 100%, 71%
HSV	136°, 58%, 100%
XYZ	46.8159, 76.6285, 39.1108
YIQ	197.9090, -53.4940, -65.7980

# Conversions

## Conversions Part 2

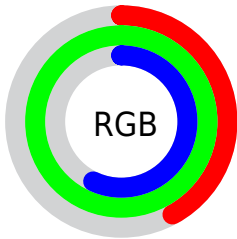
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 224, 255
Decimal	7012241
CIELab	90.15, -62.67, 40.85
CIELCh	90, 74.810, 146.906
Yxy	76.6285, 0.2880, 0.4714
Android (android.graphics.Color)	4285202321 (0xFF6AFF91)
YUV	197.9090, -26.0841, -80.6042
Hunter-Lab	87.5377, -57.7277, 34.7864

# Details

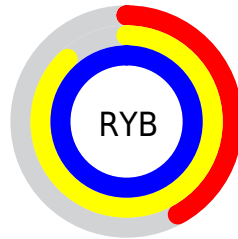
The Yxy color **76.6285, 0.2880, 0.4714** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.5301, 0.3579, 0.2224**, and the grayscale version is **56.6023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0150, 0.2914, 0.3927**, and **40.9424, 0.2782, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **74.7589, 0.2867, 0.4997**, and if you desaturate by 10%, it is **79.0608, 0.2907, 0.4429**.

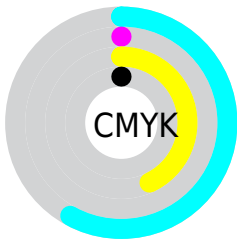
# Distribution



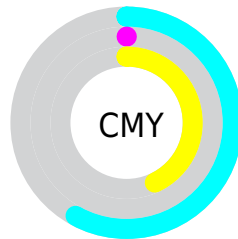
- Red (42%)
- Green (100%)
- Blue (57%)



- Red (42%)
- Yellow (88%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6285, 0.2880, 0.4714 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 76.6285, 0.2880, 0.4714 by changing the saturation by 10% instead.




 76.6285, 0.2880,  
0.4714

 76.6285, 0.2880,  
0.4714

483.4965, 0.3024,  
0.4009


 56.9480, 0.2839,  
0.4885


 128.6149, 0.2936,  
0.4461

 40.9635, 0.2784,  
0.5100


 161.6897, 0.2957,  
0.4365

 28.2906, 0.2707,  
0.5378

 199.9980, 0.2973,  
0.4283

 18.5448, 0.2595,  
0.5749

243.9242, 0.2987,  
0.4213

 11.3418, 0.2422,  
0.6261

293.8528, 0.2998,  
0.4152

 6.2973, 0.2137,  
0.6998


350.1681, 0.3008,


 3.0267, 0.1632,


0.4098


0.8368


413.2545, 0.3017,  
0.4051


 1.1457, 0.0000,  
1.0000


 0.0166, 0.0000,  
1.0000


 76.6285, 0.2880,  
0.4714


 76.6285, 0.2880,  
0.4714


 74.7589, 0.2867,  
0.4997


 79.0608, 0.2907,  
0.4429


 73.4015, 0.2869,  
0.5263


 82.0944, 0.2943,  
0.4153


 72.5020, 0.2886,  
0.5497

 85.7679, 0.2987,  
0.3895

 71.9842, 0.2916,  
0.5687

 90.1161, 0.3035,  
0.3660

 71.9220, 0.2920,  
0.5713

 95.1709, 0.3085,  
0.3449

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.



76.6285, 0.3710, 0.4916



76.6285, 0.2880, 0.4714



76.6285, 0.2162, 0.3883

# Triad

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



76.6285, 0.2880, 0.4714



76.6285, 0.1864, 0.2014



76.6285, 0.4736, 0.3312

# Complementary

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



76.6285, 0.2880, 0.4714



36.5301, 0.3579, 0.2224

# 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.



76.6285, 0.4089, 0.2733



76.6285, 0.2880, 0.4714



76.6285, 0.2382, 0.2023

# Square

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



76.6285, 0.2880, 0.4714



76.6285, 0.1650, 0.2298



76.6285, 0.3182, 0.2278



76.6285, 0.4840, 0.3940



# Rectangle

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



76.6285, 0.2880, 0.4714



76.6285, 0.1843, 0.3230



76.6285, 0.3182, 0.2278



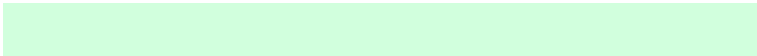
76.6285, 0.4572, 0.3111

# Sweetspot

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



76.6296, 0.2880, 0.4714



90.3163, 0.3037, 0.3650



87.4285, 0.3700, 0.4814



19.0434, 0.3023, 0.3716



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.



76.6296, 0.2880, 0.4714



74.5124, 0.2866, 0.5040



79.6343, 0.2555, 0.3745



20.2462, 0.3080, 0.3470



37.6014, 0.2913, 0.5686



3.6781, 0.2853, 0.5471



# Inverse Universe

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



36.5301, 0.3579, 0.2224



31.0665, 0.3703, 0.2081



33.5626, 0.4475, 0.2924



18.2144, 0.3178, 0.3116



13.0380, 0.4007, 0.1981

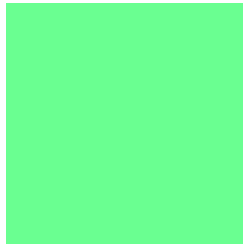


1.2874, 0.3895, 0.1919



# Previews

## White Background



This preview shows how the Yxy color 76.6285, 0.2880, 0.4714 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 76.6285, 0.2880, 0.4714 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 76.6285, 0.2880, 0.4714**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6285, 0.2880, 0.4714.

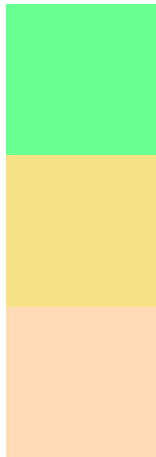


This preview shows how white text looks on a background with the Yxy color 76.6285, 0.2880, 0.4714.

# 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

76.6285, 0.2880, 0.4714

### Protanopia

75.1645, 0.3894, 0.4227

### Deuteranopia

75.3004, 0.3657, 0.3670



## Tritanopia

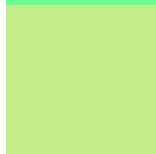
76.2221, 0.2570, 0.3108

# Trichromacy



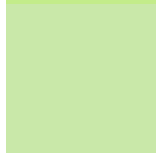
## Original Color

76.6285, 0.2880, 0.4714



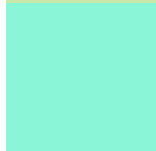
## Protanomaly

73.4280, 0.3445, 0.4431



## Deuteranomaly

72.9953, 0.3311, 0.4020



## Tritanomaly

75.7001, 0.2681, 0.3653

# Monochromacy



## Original Color

76.6285, 0.2880, 0.4714



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

61.9170, 0.3007, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6285, 0.2880, 0.4714 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(106, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 145)  
}
```

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(106, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6285, 0.2880, 0.4714 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(106, 255, 145) }
```

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

```
.border{ border-color:rgb(106, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6285, 0.2880, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 145) }
```

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

```
.background{ background-color: rgb(106,  
255, 145) }
```

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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