

# Converting Colors

$Yxy(70.3868, 0.3246, 0.5488)$

Have a look what the booklet for  
Yxy(70.3868, 0.3246, 0.5488)  
contains.

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**Color**

**Yxy(70.2748, 0.3249, 0.5485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78F640
RGB	120, 246, 64
RGB Percent	47%, 96%, 25%
CMY	0.5294, 0.0353, 0.7490
CMYK	0.51, 0.00, 0.74, 0.04
HSL	102°, 91%, 61%
HSV	102°, 74%, 96%
XYZ	41.6268, 70.2748, 16.2202
YIQ	187.5780, -16.6740, -83.3140

# Conversions

## Conversions Part 2

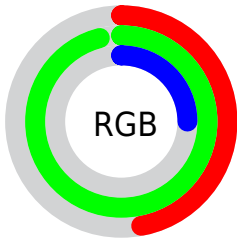
Format	Color
<a href="#">RYB</a>	64, 246, 190
Decimal	7927360
CIELab	87.13, -64.83, 71.79
CIELCh	87, 96.728, 132.081
Yxy	70.2748, 0.3249, 0.5485
Android (android.graphics.Color)	4286117440 (0xFF78F640)
YUV	187.5780, -60.9240, -59.2659
Hunter-Lab	83.8301, -58.0664, 47.2091

# Details

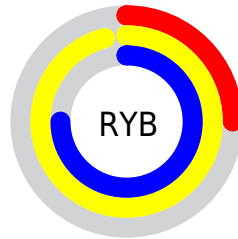
The Yxy color **70.2748, 0.3249, 0.5485** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **21.2694, 0.2644, 0.1416**, and the grayscale version is **50.3981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8951, 0.3385, 0.4787**, and **37.0733, 0.3111, 0.5912** is the 20% darker color. If you saturate the color by 10%, you get **68.9454, 0.3214, 0.5694**, and if you desaturate by 10%, it is **71.9502, 0.3268, 0.5218**.

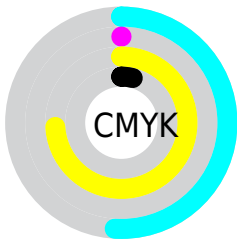
# Distribution



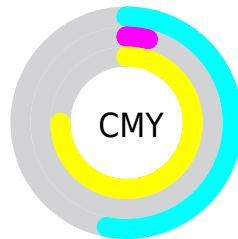
- Red (47%)
- Green (96%)
- Blue (25%)



- Red (25%)
- Yellow (96%)
- Blue (75%)



- Cyan (51%)
- Magenta (0%)
- Yellow (74%)
- Black (4%)




- Cyan (53%)
- Magenta (4%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2748, 0.3249, 0.5485 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 70.2748, 0.3249, 0.5485 by changing the saturation by 10% instead.




 70.2748, 0.3249,  
0.5485


 70.2748, 0.3249,  
0.5485

461.5143, 0.3282,  
0.4404

 51.7506, 0.3212,  
0.5733


 119.6006, 0.3283,  
0.5106

 36.8063, 0.3151,  
0.6032

 151.1709, 0.3289,  
0.4958


 25.0576, 0.3047,  
0.6397


 187.8587, 0.3292,  
0.4832

 16.1199, 0.2875,  
0.6844

 230.0485, 0.3292,  
0.4723

 9.6091, 0.2594,  
0.7406

 278.1245, 0.3291,  
0.4628

 5.1405, 0.2080,  
0.7920


332.4712, 0.3288,

 2.3300, 0.0863,


0.4544


0.9137

393.4730, 0.3285,  
0.4470


 0.7895, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 70.2748, 0.3249,  
0.5485


 70.2748, 0.3249,  
0.5485


 68.9454, 0.3214,  
0.5694


 71.9502, 0.3268,  
0.5218

 67.9239, 0.3168,  
0.5835


 73.9876, 0.3272,  
0.4912


 67.4384, 0.3137,  
0.5891

 76.4124, 0.3262,  
0.4586

 79.2450, 0.3241,  
0.4260

 82.5042, 0.3212,  
0.3947

 86.2076, 0.3178,  
0.3654

 90.3719, 0.3142,  
0.3388

 94.3946, 0.3131,  
0.3204

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2748, 0.4264, 0.5160



70.2748, 0.3249, 0.5485



70.2748, 0.2254, 0.4756

# Triad

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



70.2748, 0.3249, 0.5485



70.2748, 0.1384, 0.1793



70.2748, 0.4910, 0.2896

# Complementary

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



70.2748, 0.3249, 0.5485



21.2694, 0.2644, 0.1416

# 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.



70.2748, 0.3796, 0.2271



70.2748, 0.3249, 0.5485



70.2748, 0.1810, 0.1666

# Square

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



70.2748, 0.3249, 0.5485



70.2748, 0.1295, 0.2311



70.2748, 0.2628, 0.1838



70.2748, 0.5379, 0.3612



# Rectangle

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



70.2748, 0.3249, 0.5485



70.2748, 0.1745, 0.3831



70.2748, 0.2628, 0.1838



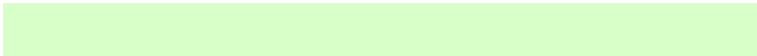
70.2748, 0.4585, 0.2673

# Sweetspot

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



70.2778, 0.3249, 0.5485



90.2622, 0.3206, 0.3888



56.0890, 0.4532, 0.4460



19.0987, 0.3214, 0.3970



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.



70.2778, 0.3249, 0.5485



74.1939, 0.3191, 0.5776



67.8746, 0.2918, 0.5317



18.7192, 0.3162, 0.3531



36.0590, 0.3148, 0.5883



3.2211, 0.3240, 0.5810



# Inverse Universe

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



21.2694, 0.2644, 0.1416



18.3888, 0.2517, 0.1202



28.0465, 0.3567, 0.1931



16.4976, 0.3089, 0.3053



8.2090, 0.2444, 0.1120

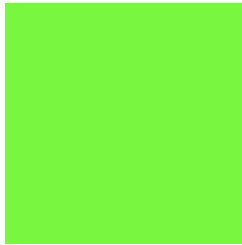


0.7755, 0.2542, 0.1174



# Previews

## White Background



This preview shows how the Yxy color 70.2748, 0.3249, 0.5485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

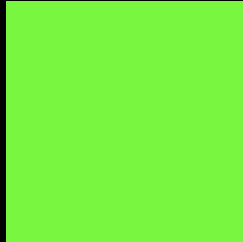
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2748, 0.3249, 0.5485 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

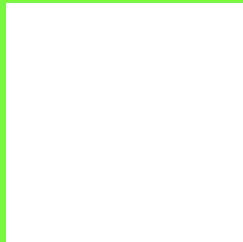
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2748, 0.3249, 0.5485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2748, 0.3249, 0.5485.



This preview shows how white text looks on a background with the Yxy color 70.2748, 0.3249, 0.5485.

# 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

70.2748, 0.3249, 0.5485

### Protanopia

68.9758, 0.4300, 0.4745

### Deuteranopia

68.7840, 0.3992, 0.3988



## Tritanopia

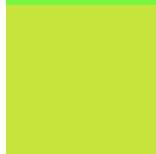
69.4913, 0.2556, 0.3067

# Trichromacy



## Original Color

70.2748, 0.3249, 0.5485



## Protanomaly

67.8188, 0.3861, 0.5050



## Deuteranomaly

66.5566, 0.3719, 0.4537



## Tritanomaly

68.3283, 0.2849, 0.3984

# Monochromacy



## Original Color

70.2748, 0.3249, 0.5485



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

55.3706, 0.3231, 0.4174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2748, 0.3249, 0.5485 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(120, 246, 64)` looks like.

```
.text, #text, p{  
    color:rgb(120, 246, 64)  
}
```

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(120, 246, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 246, 64) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2748, 0.3249, 0.5485 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(120, 246, 64) }
```

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

```
.border{ border-color:rgb(120, 246, 64) }
```

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

Here you see how a box with a 4 pixel rgb(120, 246, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 246, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 246, 64);  
box-shadow:4px 4px 4px 4px rgb(120, 246,  
64) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2748, 0.3249, 0.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 246, 64) }
```

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

```
.background{ background-color: rgb(120,  
246, 64) }
```

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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