

# Converting Colors

$Y_{xy}(74.8911, 0.3145, 0.5537)$

Have a look what the booklet for  
Yxy(74.8911, 0.3145, 0.5537)  
contains.

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# Color

**Yxy(74.8927, 0.3145, 0.5536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68FF45
RGB	104, 255, 69
RGB Percent	41%, 100%, 27%
CMY	0.5920, 0.0000, 0.7294
CMYK	0.59, 0.00, 0.73, 0.00
HSL	109°, 100%, 64%
HSV	109°, 73%, 100%
XYZ	42.5465, 74.8927, 17.8438
YIQ	188.6470, -30.2900, -89.8580

# Conversions

## Conversions Part 2

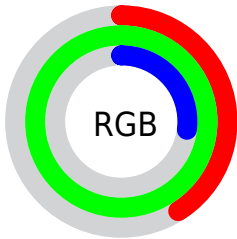
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">69, 255, 220</a>
Decimal	<a href="#">6881093</a>
CIELab	<a href="#">89.34, -71.58, 72.18</a>
CIELCh	<a href="#">89, 101.653, 134.762</a>
Yxy	<a href="#">74.8927, 0.3145, 0.5536</a>
Android (android.graphics.Color)	<a href="#">4285071173 (0xFF68FF45)</a>
YUV	<a href="#">188.6470, -58.9860, -74.2354</a>
Hunter-Lab	<a href="#">86.5406, -63.6888, 48.3534</a>

# Details

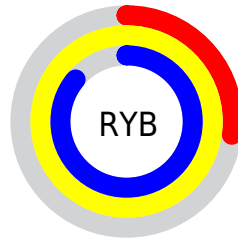
The Yxy color **74.8927, 0.3145, 0.5536** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **26.6882, 0.2863, 0.1538**, and the grayscale version is **51.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5135, 0.3281, 0.4774**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.5528, 0.3115, 0.5756**, and if you desaturate by 10%, it is **76.6775, 0.3166, 0.5253**.

# Distribution



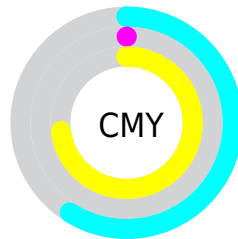
- Red (41%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (86%)



- Cyan (59%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8927, 0.3145, 0.5536 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 74.8927, 0.3145, 0.5536 by changing the saturation by 10% instead.





 74.8927, 0.3145,  
0.5536

 74.8927, 0.3145,  
0.5536


477.5487, 0.3227,  
0.4432


 55.5250, 0.3099,  
0.5789

 126.1605, 0.3195,  
0.5149


 39.8222, 0.3027,  
0.6095


 158.8293, 0.3208,  
0.4999

 27.3999, 0.2913,  
0.6469


 196.7006, 0.3216,  
0.4870

 17.8738, 0.2730,  
0.6921

 240.1589, 0.3222,  
0.4758

 10.8594, 0.2458,  
0.7542

 289.5884, 0.3225,  
0.4661

 5.9724, 0.1948,  
0.8052

345.3736, 0.3227,

 2.8283, 0.0924,

0.4576

0.9076

407.8989, 0.3227,  
0.4500

■ 1.0428, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 74.8927, 0.3145,  
0.5536

■ 74.8927, 0.3145,  
0.5536

■ 73.5528, 0.3115,  
0.5756

■ 76.6775, 0.3166,  
0.5253

■ 72.6088, 0.3079,  
0.5899

■ 78.9355, 0.3178,  
0.4928


■ 72.1491, 0.3054,  
0.5957


■ 81.7012, 0.3181,  
0.4586

■ 85.0038, 0.3176,  
0.4247

 88.8700, 0.3165,  
0.3925

 93.3248, 0.3150,  
0.3629

 98.3919, 0.3133,  
0.3362

 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.



74.8927, 0.4190, 0.5257



74.8927, 0.3145, 0.5536



74.8927, 0.2147, 0.4687

# Triad

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



74.8927, 0.3145, 0.5536



74.8927, 0.1373, 0.1733



74.8927, 0.5036, 0.2944

# Complementary

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



74.8927, 0.3145, 0.5536



26.6882, 0.2863, 0.1538

# 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.



74.8927, 0.3926, 0.2298



74.8927, 0.3145, 0.5536



74.8927, 0.1838, 0.1637

# Square

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



74.8927, 0.3145, 0.5536



74.8927, 0.1252, 0.2215



74.8927, 0.2708, 0.1836



74.8927, 0.5436, 0.3674



# Rectangle

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



74.8927, 0.3145, 0.5536



74.8927, 0.1655, 0.3713



74.8927, 0.2708, 0.1836



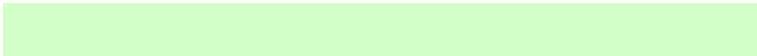
74.8927, 0.4722, 0.2715

# Sweetspot

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



74.8952, 0.3145, 0.5536



89.2623, 0.3163, 0.3896



71.7298, 0.4344, 0.4628



18.8660, 0.3167, 0.3980



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.



74.8952, 0.3145, 0.5536



73.0280, 0.3097, 0.5838



74.2613, 0.2838, 0.5030



20.3327, 0.3144, 0.3534



37.7462, 0.3061, 0.5952



3.7169, 0.3128, 0.5898



# Inverse Universe

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



26.6882, 0.2863, 0.1538



22.2858, 0.2787, 0.1353



29.6503, 0.3825, 0.2112



18.1173, 0.3108, 0.3054



10.7639, 0.2735, 0.1281

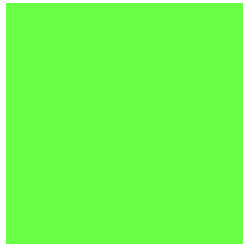


1.0906, 0.2792, 0.1312



# Previews

## White Background



This preview shows how the Yxy color 74.8927, 0.3145, 0.5536 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 74.8927, 0.3145, 0.5536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

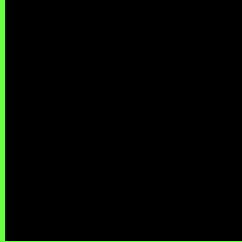
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

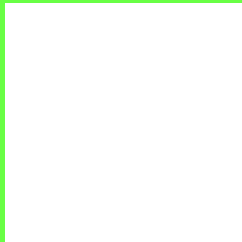
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8927, 0.3145, 0.5536**

## Background



This preview shows how black text looks on a background with the Yxy color 74.8927, 0.3145, 0.5536.



This preview shows how white text looks on a background with the Yxy color 74.8927, 0.3145, 0.5536.

# 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

74.8927, 0.3145, 0.5536

### Protanopia

73.4363, 0.4296, 0.4733

### Deuteranopia

73.0161, 0.3804, 0.3836



## Tritanopia

74.2724, 0.2528, 0.3083

# Trichromacy



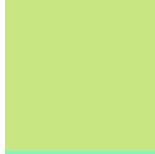
## Original Color

74.8927, 0.3145, 0.5536



## Protanomaly

71.6571, 0.3801, 0.5076



## Deuteranomaly

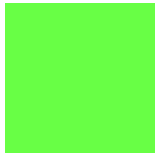
70.4580, 0.3550, 0.4461



## Tritanomaly

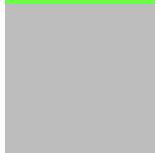
73.2758, 0.2790, 0.4010

# Monochromacy



## Original Color

74.8927, 0.3145, 0.5536



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.9019, 0.3176, 0.4202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8927, 0.3145, 0.5536 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8927, 0.3145, 0.5536 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, 69) }
```

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

```
.border{ border-color:rgb(104, 255, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8927, 0.3145, 0.5536 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, 69) }
```

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

```
.background{ background-color: rgb(104,  
255, 69) }
```

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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