

# Converting Colors

$Yxy(72.6734, 0.2838, 0.5017)$

Have a look what the booklet for  
Yxy(72.6734, 0.2838, 0.5017)  
contains.

<b>Yxy(72.3413, 0.2838, 0.5020)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.3413, 0.2838, 0.5020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45FC7C
RGB	69, 252, 124
RGB Percent	27%, 99%, 49%
CMY	0.7297, 0.0117, 0.5138
CMYK	0.73, 0.00, 0.51, 0.01
HSL	138°, 97%, 63%
HSV	138°, 73%, 99%
XYZ	40.8973, 72.3413, 30.8675
YIQ	182.6910, -67.9800, -78.6040

# Conversions

## Conversions Part 2

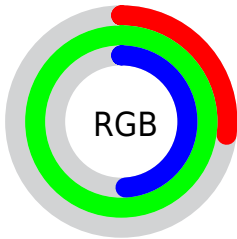
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 210, 252
Decimal	4586620
CIELab	88.13, -71.37, 48.15
CIELCh	88, 86.098, 145.993
Yxy	72.3413, 0.2838, 0.5020
Android (android.graphics.Color)	4282776700 (0xFF45FC7C)
YUV	182.6910, -28.9347, -99.7070
Hunter-Lab	85.0537, -63.0138, 38.0202

# Details

The Yxy color **72.3413, 0.2838, 0.5020** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.9737, 0.3822, 0.2116**, and the grayscale version is **47.3537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3501, 0.2875, 0.4222**, and **39.0385, 0.2842, 0.5431** is the 20% darker color. If you saturate the color by 10%, you get **71.2045, 0.2847, 0.5270**, and if you desaturate by 10%, it is **73.9545, 0.2846, 0.4752**.

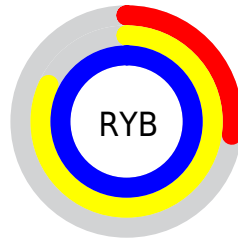
# Distribution



Red (27%)

Green (99%)

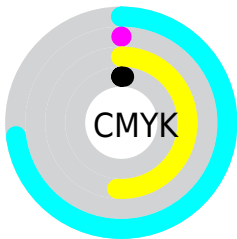
Blue (49%)



Red (27%)

Yellow (82%)

Blue (99%)

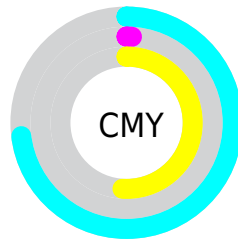


Cyan (73%)

Magenta (0%)

Yellow (51%)

Black (1%)



Cyan (73%)

Magenta (1%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3413, 0.2838, 0.5020 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 72.3413, 0.2838, 0.5020 by changing the saturation by 10% instead.





 72.3413, 0.2838,  
0.5020


 72.3413, 0.2838,  
0.5020


468.7287, 0.3017,  
0.4148


 53.4375, 0.2784,  
0.5234


 122.5416, 0.2910,  
0.4705


 38.1522, 0.2710,  
0.5503


 154.6070, 0.2936,  
0.4586

 26.1008, 0.2606,  
0.5852


 191.8284, 0.2956,  
0.4485

 16.8991, 0.2450,  
0.6314

 234.5901, 0.2973,  
0.4398

 10.1626, 0.2205,  
0.6938

283.2766, 0.2987,  
0.4323

 5.5069, 0.1875,  
0.8089


338.2722, 0.2999,

 2.5476, 0.0611,


0.4258


0.9389


399.9615, 0.3009,  
0.4200


 0.9004, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 72.3413, 0.2838,  
0.5020

 72.3413, 0.2838,  
0.5020

 71.2045, 0.2847,  
0.5270


 73.9545, 0.2846,  
0.4752

 70.4776, 0.2871,  
0.5489

 76.0832, 0.2870,  
0.4480


 70.1458, 0.2896,  
0.5626


 78.7723, 0.2906,  
0.4213

 82.0593, 0.2951,  
0.3962

 85.9782, 0.3002,  
0.3731

 90.5606, 0.3057,  
0.3522

 95.8359, 0.3112,  
0.3336

 98.1071, 0.3128,  
0.3262

# Harmonies

## Analogous

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



72.3413, 0.3782, 0.5179



72.3413, 0.2838, 0.5020



72.3413, 0.2022, 0.4023

# Triad

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



72.3413, 0.2838, 0.5020



72.3413, 0.1681, 0.1841



72.3413, 0.4992, 0.3259

# Complementary

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



72.3413, 0.2838, 0.5020



28.9737, 0.3822, 0.2116

# 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.



72.3413, 0.4219, 0.2625



72.3413, 0.2838, 0.5020



72.3413, 0.2242, 0.1851

# Square

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



72.3413, 0.2838, 0.5020



72.3413, 0.1455, 0.2151



72.3413, 0.3148, 0.2127



72.3413, 0.5103, 0.3955



# Rectangle

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



72.3413, 0.2838, 0.5020



72.3413, 0.1666, 0.3230



72.3413, 0.3148, 0.2127



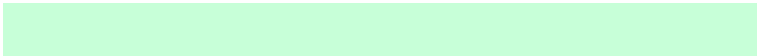
72.3413, 0.4799, 0.3039

# Sweetspot

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



72.3443, 0.2838, 0.5020



88.5943, 0.3006, 0.3717



81.9376, 0.3702, 0.5147



18.7124, 0.2991, 0.3777



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.



72.3443, 0.2838, 0.5020



72.7632, 0.2856, 0.5371



75.8162, 0.2455, 0.3754



19.3951, 0.3074, 0.3460



36.5591, 0.2888, 0.5597



3.4039, 0.2823, 0.5362



# Inverse Universe

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



28.9737, 0.3822, 0.2116



25.9995, 0.4008, 0.2048



25.9755, 0.5156, 0.2986



17.4304, 0.3184, 0.3126



12.4454, 0.4150, 0.2060

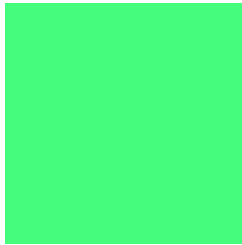


1.1714, 0.4010, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 72.3413, 0.2838, 0.5020 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 72.3413, 0.2838, 0.5020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

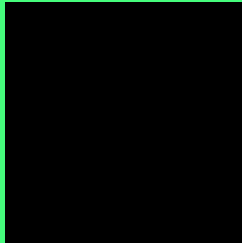
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.3413, 0.2838, 0.5020**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3413, 0.2838, 0.5020.

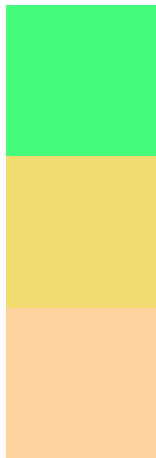


This preview shows how white text looks on a background with the Yxy color 72.3413, 0.2838, 0.5020.

# 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

72.3413, 0.2838, 0.5020

### Protanopia

70.7325, 0.4020, 0.4379

### Deuteranopia

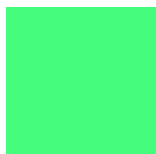
70.3866, 0.3844, 0.3818



## Tritanopia

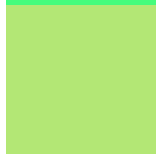
71.9993, 0.2414, 0.3077

# Trichromacy



## Original Color

72.3413, 0.2838, 0.5020



## Protanomaly

68.0199, 0.3458, 0.4668



## Deuteranomaly

67.0641, 0.3356, 0.4251



## Tritanomaly

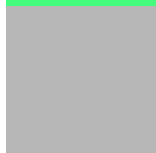
70.8928, 0.2563, 0.3738

# Monochromacy



## Original Color

72.3413, 0.2838, 0.5020



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.4712, 0.2956, 0.3929

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3413, 0.2838, 0.5020 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(69, 252, 124)` looks like.

```
.text, #text, p{  
    color:rgb(69, 252, 124)  
}
```

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(69, 252, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 252, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3413, 0.2838, 0.5020 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(69, 252, 124) }
```

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

```
.border{ border-color:rgb(69, 252, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 252, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 252, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 252, 124);  
box-shadow:4px 4px 4px 4px rgb(69, 252,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3413, 0.2838, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 252, 124) }
```

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

```
.background{ background-color: rgb(69, 252,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor