

# Converting Colors

Yxy(67.2543, 0.2259, 0.5319)

Have a look what the booklet for  
Yxy(67.2543, 0.2259, 0.5319)  
contains.

<b>Yxy(72.9752, 0.2746, 0.5087)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	22
<b>Color Blindness Simulation</b> .....	25
<b>CSS Examples</b> .....	28

# Color

**Yxy(72.9752, 0.2746, 0.5087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF7C
RGB	0, 255, 124
RGB Percent	0%, 100%, 49%
CMY	1.0000, 0.0000, 0.5136
CMYK	1.00, 0.00, 0.51, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.3925, 72.9752, 31.0865
YIQ	163.8210, -109.9290, -94.8010

# Conversions

## Conversions Part 2

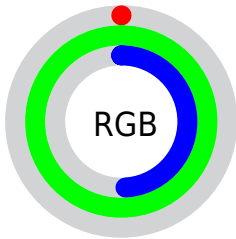
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 172, 255
Decimal	65404
CIELab	88.44, -77.37, 48.37
CIELCh	88, 91.242, 147.988
Yxy	72.9752, 0.2746, 0.5087
Android (android.graphics.Color)	4278255484 (0xFF00FF7C)
YUV	163.8210, -19.6318, -143.6710
Hunter-Lab	85.4255, -67.1824, 38.2221

# Details

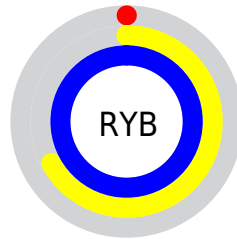
The Yxy color **72.9752, 0.2746, 0.5087** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.8979, 0.4942, 0.2496**, and the grayscale version is **37.1704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4877, 0.2767, 0.4250**, and **40.3874, 0.2847, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **72.9760, 0.2746, 0.5087**, and if you desaturate by 10%, it is **73.5428, 0.2713, 0.4903**.

# Distribution



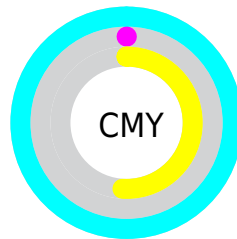
- Red (0%)
- Green (100%)
- Blue (49%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9752, 0.2746, 0.5087 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 72.9752, 0.2746, 0.5087 by changing the saturation by 10% instead.




 72.9752, 0.2746,  
0.5087

 72.9752, 0.2746,  
0.5087


470.9289, 0.2970,  
0.4179

 53.9557, 0.2682,  
0.5310


 123.4420, 0.2834,  
0.4758

 38.5662, 0.2595,  
0.5592


 155.6581, 0.2865,  
0.4634

 26.4225, 0.2474,  
0.5957


 193.0418, 0.2891,  
0.4529

 17.1399, 0.2298,  
0.6440

 235.9776, 0.2912,  
0.4439

 10.3343, 0.2030,  
0.7091

 284.8497, 0.2930,  
0.4361

 5.6212, 0.1664,  
0.8268


340.0428, 0.2946,

 2.6161, 0.0192,


0.4292


0.9808

401.9410, 0.2959,  
0.4232


 0.9348, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 72.9752, 0.2746,  
0.5087


 72.9752, 0.2746,  
0.5087


 72.9760, 0.2746,  
0.5087


 73.5428, 0.2713,  
0.4903


 74.4330, 0.2697,  
0.4707

 75.7329, 0.2701,  
0.4503

 77.4959, 0.2725,  
0.4299

 79.7670, 0.2766,  
0.4099

 82.5856, 0.2822,  
0.3909

 85.9870, 0.2890,  
0.3732

 90.0037, 0.2965,  
0.3569

 94.6654, 0.3045,  
0.3422

# Harmonies

## Analogous

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



72.9752, 0.3730, 0.5297



72.9752, 0.2746, 0.5087



72.9752, 0.1917, 0.3978

# Triad

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



72.9752, 0.2746, 0.5087



72.9752, 0.1646, 0.1769



72.9752, 0.5124, 0.3290

# Complementary

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



72.9752, 0.2746, 0.5087



22.8979, 0.4942, 0.2496

# 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.



72.9752, 0.4349, 0.2631



72.9752, 0.2746, 0.5087



72.9752, 0.2249, 0.1802

# Square

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



72.9752, 0.2746, 0.5087



72.9752, 0.1391, 0.2059



72.9752, 0.3218, 0.2104



72.9752, 0.5178, 0.4011



# Rectangle

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



72.9752, 0.2746, 0.5087



72.9752, 0.1570, 0.3141



72.9752, 0.3218, 0.2104



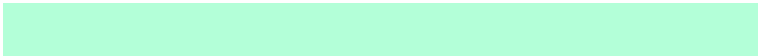
72.9752, 0.4938, 0.3061

# Sweetspot

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



72.9760, 0.2746, 0.5087



85.9870, 0.2890, 0.3732



76.4054, 0.3376, 0.5702



18.0821, 0.2860, 0.3805



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.



72.9760, 0.2746, 0.5087



78.4693, 0.2261, 0.3339



20.3154, 0.3049, 0.3415



38.1614, 0.2738, 0.5057



3.7376, 0.2679, 0.4845

# Inverse Universe

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



22.8979, 0.4942, 0.2496



21.2693, 0.6389, 0.3293



18.1429, 0.3213, 0.3169



11.9950, 0.4907, 0.2477



1.1900, 0.4660, 0.2341

# Previews

## White Background



This preview shows how the Yxy color 72.9752, 0.2746, 0.5087 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 72.9752, 0.2746, 0.5087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

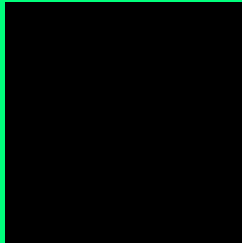
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

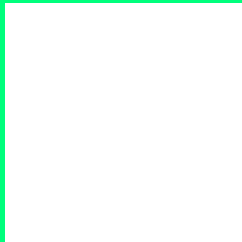
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9752, 0.2746, 0.5087**

## Background



This preview shows how black text looks on a background with the Yxy color 72.9752, 0.2746, 0.5087.



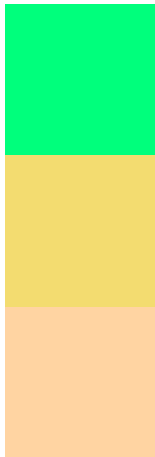
This preview shows how white text looks on a background with the Yxy color 72.9752, 0.2746, 0.5087.



# 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

72.9752, 0.2746, 0.5087

### Protanopia

71.4109, 0.4028, 0.4393

### Deuteranopia

70.9556, 0.3826, 0.3807



## Tritanopia

72.5800, 0.2417, 0.3089

# Trichromacy



## Original Color

72.9752, 0.2746, 0.5087



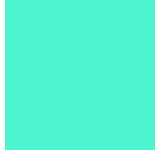
## Protanomaly

66.5073, 0.3289, 0.4776



## Deuteranomaly

65.3063, 0.3170, 0.4314



## Tritanomaly

70.8261, 0.2489, 0.3771

# Monochromacy



## Original Color

72.9752, 0.2746, 0.5087



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

45.0455, 0.2786, 0.4035

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9752, 0.2746, 0.5087 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(0, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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(0, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9752, 0.2746, 0.5087 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(0, 255, 124) }
```

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

```
.border{ border-color:rgb(0, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
124) }
```

# Background

The CSS property to change the background color of an element to Yxy 72.9752, 0.2746, 0.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 124) }
```

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

```
.background{ background-color: rgb(0, 255,  
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](#).

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