

# Converting Colors

$Yxy(73.6074, 0.2661, 0.4780)$

Have a look what the booklet for  
Yxy(73.6074, 0.2661, 0.4780)  
contains.

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# Color

**Yxy(73.5953, 0.2663, 0.4786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF92
RGB	0, 255, 146
RGB Percent	0%, 100%, 57%
CMY	0.9985, 0.0000, 0.4276
CMYK	1.00, 0.00, 0.43, 0.00
HSL	154°, 100%, 50%
HSV	154°, 100%, 100%
XYZ	40.9495, 73.5953, 39.2272
YIQ	166.3290, -116.9910, -87.9590

# Conversions

## Conversions Part 2

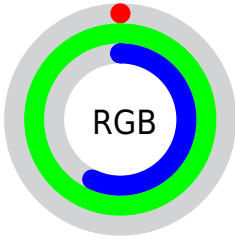
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 162, 255
Decimal	65426
CIELab	88.73, -73.79, 38.26
CIELCh	89, 83.119, 152.594
Yxy	73.5953, 0.2663, 0.4786
Android (android.graphics.Color)	4278255506 (0xFF00FF92)
YUV	166.3290, -10.0222, -145.8705
Hunter-Lab	85.7877, -64.9241, 32.9405

# Details

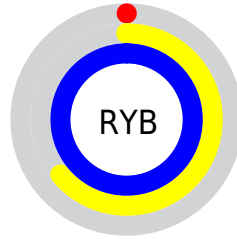
The Yxy color **73.5953, 0.2663, 0.4786** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.3813, 0.5305, 0.2697**, and the grayscale version is **38.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3819, 0.2662, 0.3959**, and **40.7407, 0.2748, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **73.5893, 0.2663, 0.4788**, and if you desaturate by 10%, it is **74.1685, 0.2635, 0.4625**.

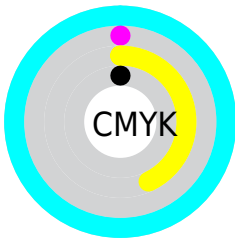
# Distribution



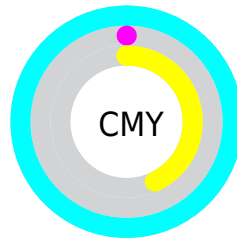
- Red (0%)
- Green (100%)
- Blue (57%)



- Red (0%)
- Yellow (64%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5953, 0.2663, 0.4786 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 73.5953, 0.2663, 0.4786 by changing the saturation by 10% instead.





 73.5953, 0.2663,  
0.4786


 73.5953, 0.2663,  
0.4786

473.0754, 0.2910,  
0.4035


 54.4629, 0.2598,  
0.4971

 124.3220, 0.2755,  
0.4514

 38.9718, 0.2514,  
0.5206


 156.6850, 0.2789,  
0.4411


 26.7378, 0.2401,  
0.5513


 194.2269, 0.2818,  
0.4325

 17.3764, 0.2242,  
0.5927

 237.3323, 0.2842,  
0.4250

 10.5032, 0.2007,  
0.6505

 286.3855, 0.2862,  
0.4185

 5.7339, 0.1643,  
0.7347


341.7708, 0.2880,


 2.6839, 0.0594,


0.4129

0.9406


403.8726, 0.2896,  
0.4079


 0.9690, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 73.5953, 0.2663,  
0.4786


 73.5953, 0.2663,  
0.4786


 73.5893, 0.2663,  
0.4788

 74.1685, 0.2635,  
0.4625


 75.0537, 0.2625,  
0.4458


 76.3364, 0.2636,  
0.4288

 78.0693, 0.2667,  
0.4119

 80.2965, 0.2716,  
0.3955

 83.0569, 0.2781,  
0.3799

 86.3851, 0.2857,  
0.3653

 90.3129, 0.2943,  
0.3519

 94.8696, 0.3034,  
0.3398

# Harmonies

## Analogous

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



73.5953, 0.3573, 0.5142



73.5953, 0.2663, 0.4786



73.5953, 0.1931, 0.3739

# Triad

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



73.5953, 0.2663, 0.4786



73.5953, 0.1817, 0.1865



73.5953, 0.5003, 0.3415

# Complementary

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



73.5953, 0.2663, 0.4786



22.3813, 0.5305, 0.2697

# 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.



73.5953, 0.4382, 0.2778



73.5953, 0.2663, 0.4786



73.5953, 0.2440, 0.1933

# Square

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



73.5953, 0.2663, 0.4786



73.5953, 0.1527, 0.2095



73.5953, 0.3375, 0.2255



73.5953, 0.4975, 0.4101



# Rectangle

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



73.5953, 0.2663, 0.4786



73.5953, 0.1638, 0.3014



73.5953, 0.3375, 0.2255



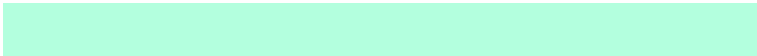
73.5953, 0.4864, 0.3195

# Sweetspot

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



73.5968, 0.2663, 0.4786



86.3311, 0.2856, 0.3655



74.8819, 0.3268, 0.5787



18.1636, 0.2823, 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.



73.5968, 0.2663, 0.4786



73.5893, 0.2663, 0.4788



68.3863, 0.2188, 0.3077



20.3423, 0.3037, 0.3394



38.4825, 0.2656, 0.4762



3.7688, 0.2605, 0.4577



# Inverse Universe

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



22.3813, 0.5305, 0.2697



22.3683, 0.5309, 0.2698



21.6728, 0.6364, 0.3328



18.1162, 0.3227, 0.3189



11.7164, 0.5268, 0.2675

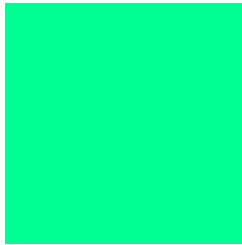


1.1621, 0.4977, 0.2516



# Previews

## White Background



This preview shows how the Yxy color 73.5953, 0.2663, 0.4786 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 73.5953, 0.2663, 0.4786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

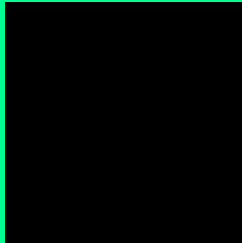
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5953, 0.2663, 0.4786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5953, 0.2663, 0.4786.

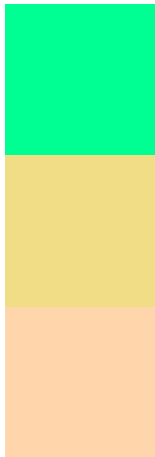


This preview shows how white text looks on a background with the Yxy color 73.5953, 0.2663, 0.4786.

# 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

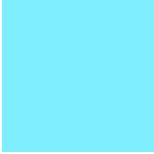
73.5953, 0.2663, 0.4786

### Protanopia

72.1071, 0.3879, 0.4215

### Deuteranopia

71.7888, 0.3756, 0.3725



## **Tritanopia**

72.8811, 0.2432, 0.3089

# Trichromacy



## Original Color

73.5953, 0.2663, 0.4786



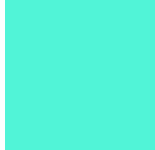
## Protanomaly

66.9828, 0.3168, 0.4510



## Deuteranomaly

65.7768, 0.3088, 0.4131



## Tritanomaly

71.3570, 0.2463, 0.3661

# Monochromacy



## Original Color

73.5953, 0.2663, 0.4786



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

45.9555, 0.2738, 0.3884

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  73.5953, 0.2663, 0.4786 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5953, 0.2663, 0.4786 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, 146) }
```

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

```
.border{ border-color:rgb(0, 255, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5953, 0.2663, 0.4786 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, 146) }
```

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

```
.background{ background-color: rgb(0, 255,  
146) }
```

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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