

# Converting Colors

$Y_{xy}(84.3550, 0.2760, 0.4971)$

Have a look what the booklet for  
Yxy(84.3550, 0.2760, 0.4971)  
contains.

<b>Yxy(74.0418, 0.2732, 0.4850)</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(74.0418, 0.2732, 0.4850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30FF8C
RGB	48, 255, 140
RGB Percent	19%, 100%, 55%
CMY	0.8125, 0.0000, 0.4509
CMYK	0.81, 0.00, 0.45, 0.00
HSL	147°, 100%, 59%
HSV	147°, 81%, 100%
XYZ	41.7077, 74.0418, 36.9140
YIQ	179.9970, -86.4570, -79.6490

# Conversions

## Conversions Part 2

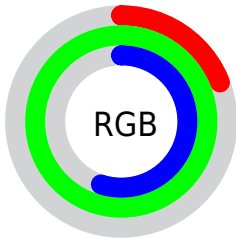
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 191, 255
Decimal	3211148
CIELab	88.94, -72.38, 41.48
CIELCh	89, 83.426, 150.187
Yxy	74.0418, 0.2732, 0.4850
Android (android.graphics.Color)	4281401228 (0xFF30FF8C)
YUV	179.9970, -19.7185, -115.7614
Hunter-Lab	86.0475, -64.0634, 34.7981

# Details

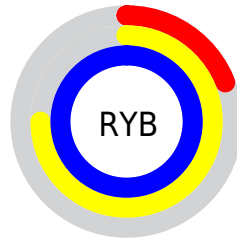
The Yxy color **74.0418, 0.2732, 0.4850** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **25.9964, 0.4369, 0.2324**, and the grayscale version is **45.7541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1273, 0.2747, 0.4026**, and **40.6371, 0.2775, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **73.1975, 0.2753, 0.5056**, and if you desaturate by 10%, it is **75.2882, 0.2731, 0.4633**.

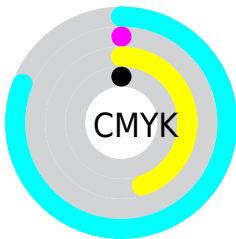
# Distribution



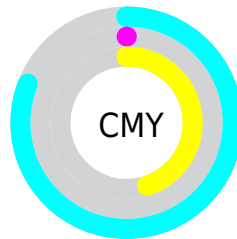
- Red (19%)
- Green (100%)
- Blue (55%)



- Red (19%)
- Yellow (75%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (81%)
- Magenta (0%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0418, 0.2732, 0.4850 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 74.0418, 0.2732, 0.4850 by changing the saturation by 10% instead.





 74.0418, 0.2732,  
0.4850

 74.0418, 0.2732,  
0.4850


474.6176, 0.2950,  
0.4067

 54.8283, 0.2673,  
0.5042

 124.9551, 0.2815,  
0.4567

 39.2642, 0.2595,  
0.5286


 157.4236, 0.2845,  
0.4460

 26.9653, 0.2488,  
0.5603


 195.0792, 0.2870,  
0.4370

 17.5472, 0.2335,  
0.6028

 238.3063, 0.2891,  
0.4292

 10.6254, 0.2105,  
0.6616

287.4893, 0.2909,  
0.4224

 5.8155, 0.1750,  
0.7492


343.0126, 0.2925,


 2.7332, 0.0764,


0.4165


0.9236


405.2606, 0.2938,  
0.4113


 0.9941, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.0418, 0.2732,  
0.4850


 74.0418, 0.2732,  
0.4850


 73.1975, 0.2753,  
0.5056


 75.2882, 0.2731,  
0.4633

 72.7233, 0.2784,  
0.5222


 77.0022, 0.2749,  
0.4412


 79.2265, 0.2786,  
0.4195

 82.0017, 0.2836,  
0.3986

 85.3637, 0.2898,  
0.3792

 89.3457, 0.2967,  
0.3613

 93.9781, 0.3041,  
0.3451

 99.2894, 0.3118,  
0.3307

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.



74.0418, 0.3646, 0.5137



74.0418, 0.2732, 0.4850



74.0418, 0.1976, 0.3832

# Triad

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



74.0418, 0.2732, 0.4850



74.0418, 0.1780, 0.1870



74.0418, 0.4980, 0.3361

# Complementary

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



74.0418, 0.2732, 0.4850



25.9964, 0.4369, 0.2324

# 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.



74.0418, 0.4311, 0.2730



74.0418, 0.2732, 0.4850



74.0418, 0.2376, 0.1916

# Square

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



74.0418, 0.2732, 0.4850



74.0418, 0.1515, 0.2127



74.0418, 0.3293, 0.2219



74.0418, 0.5003, 0.4046



# Rectangle

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



74.0418, 0.2732, 0.4850



74.0418, 0.1662, 0.3093



74.0418, 0.3293, 0.2219



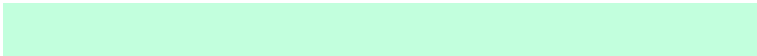
74.0418, 0.4822, 0.3143

# Sweetspot

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



74.0384, 0.2732, 0.4850



88.1853, 0.2948, 0.3661



79.7552, 0.3526, 0.5424



18.5694, 0.2923, 0.3724



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.



74.0384, 0.2732, 0.4850



72.8711, 0.2773, 0.5167



78.5062, 0.2328, 0.3457



20.3025, 0.3055, 0.3425



38.0285, 0.2776, 0.5192



3.7243, 0.2714, 0.4971



# Inverse Universe

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



25.9964, 0.4369, 0.2324



23.4678, 0.4702, 0.2377



23.7033, 0.5858, 0.3218



18.1559, 0.3207, 0.3159



12.1522, 0.4732, 0.2380

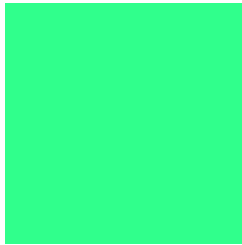


1.2052, 0.4510, 0.2258



# Previews

## White Background



This preview shows how the Yxy color 74.0418, 0.2732, 0.4850 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 74.0418, 0.2732, 0.4850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

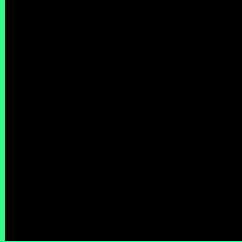
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.0418, 0.2732, 0.4850**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0418, 0.2732, 0.4850.

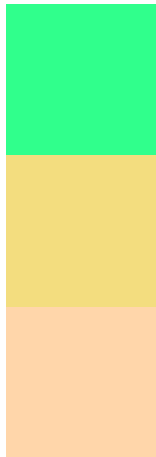


This preview shows how white text looks on a background with the Yxy color 74.0418, 0.2732, 0.4850.

# 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

74.0418, 0.2732, 0.4850

### Protanopia

72.2999, 0.3933, 0.4266

### Deuteranopia

72.2554, 0.3760, 0.3745



## Tritanopia

73.2746, 0.2452, 0.3090

# Trichromacy



## Original Color

74.0418, 0.2732, 0.4850



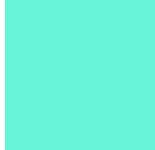
## Protanomaly

68.7144, 0.3322, 0.4536



## Deuteranomaly

68.2451, 0.3228, 0.4148



## Tritanomaly

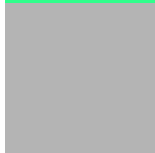
72.2722, 0.2534, 0.3682

# Monochromacy



## Original Color

74.0418, 0.2732, 0.4850



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

52.2478, 0.2871, 0.3884

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0418, 0.2732, 0.4850 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(48, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 140)  
}
```

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(48, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0418, 0.2732, 0.4850 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(48, 255, 140) }
```

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

```
.border{ border-color:rgb(48, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(48, 255,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0418, 0.2732, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 140) }
```

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

```
.background{ background-color: rgb(48, 255,  
140) }
```

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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