

Converting Colors

$Y_{xy}(74.0351, 0.2690, 0.4763)$

Have a look what the booklet for
Yxy(74.0351, 0.2690, 0.4763)
contains.

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Color

Yxy(74.0387, 0.2689, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	26FF93
RGB	38, 255, 147
RGB Percent	15%, 100%, 58%
CMY	0.8507, 0.0000, 0.4236
CMYK	0.85, 0.00, 0.42, 0.00
HSL	150°, 100%, 57%
HSV	150°, 85%, 100%
XYZ	41.8256, 74.0387, 39.6791
YIQ	177.8050, -94.6640, -79.5920

Conversions

Conversions Part 2

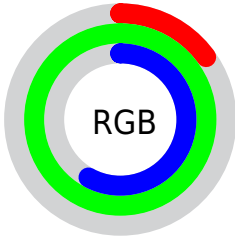
Format	Color
R _Y B	38, 182, 255
Decimal	2555795
CIE Lab	88.94, -72.02, 38.08
CIE LCh	89, 81.467, 152.135
Yxy	74.0387, 0.2689, 0.4760
Android (android.graphics.Color)	4280745875 (0xFF26FF93)
YUV	177.8050, -15.1869, -122.6090
Hunter-Lab	86.0457, -63.8137, 32.8910

Details

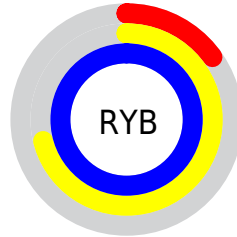
The Yxy color **74.0387, 0.2689, 0.4760** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.7283, 0.4649, 0.2439**, and the grayscale version is **44.5403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0694, 0.2693, 0.3939**, and **40.7587, 0.2743, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **73.3313, 0.2714, 0.4946**, and if you desaturate by 10%, it is **75.1221, 0.2684, 0.4565**.

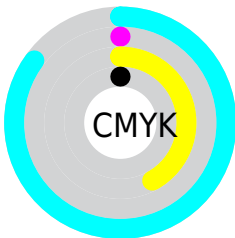
Distribution



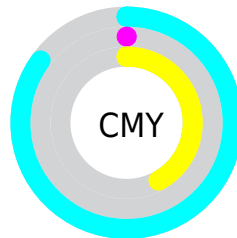
- Red (15%)
- Green (100%)
- Blue (58%)



- Red (15%)
- Yellow (71%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0387, 0.2689, 0.4760 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 74.0387, 0.2689, 0.4760 by changing the saturation by 10% instead.


 74.0387, 0.2689,
0.4760

 74.0387, 0.2689,
0.4760


474.6069, 0.2923,
0.4023

 54.8257, 0.2628,
0.4941


 124.9507, 0.2776,
0.4494


 39.2622, 0.2548,
0.5171


 157.4184, 0.2809,
0.4393

 26.9638, 0.2440,
0.5471


 195.0733, 0.2835,
0.4308

 17.5460, 0.2287,
0.5874

 238.2995, 0.2858,
0.4235

 10.6245, 0.2062,
0.6438

287.4816, 0.2878,
0.4171

 5.8150, 0.1710,
0.7258


343.0040, 0.2895,

 2.7329, 0.0791,


0.4116


0.9209


405.2509, 0.2910,
0.4067


 0.9939, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0387, 0.2689,
0.4760


 74.0387, 0.2689,
0.4760


 73.3313, 0.2714,
0.4946

 75.1221, 0.2684,
0.4565


 73.0791, 0.2732,
0.5034

 76.6398, 0.2699,
0.4366


 78.6410, 0.2733,
0.4170


 81.1674, 0.2784,
0.3981

 84.2562, 0.2847,
0.3803

 87.9410, 0.2921,
0.3638

 92.2528, 0.3001,
0.3488

 97.2204, 0.3084,
0.3353

 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.



74.0387, 0.3584, 0.5101



74.0387, 0.2689, 0.4760



74.0387, 0.1964, 0.3747

Triad

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



74.0387, 0.2689, 0.4760



74.0387, 0.1834, 0.1891



74.0387, 0.4959, 0.3408

Complementary

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



74.0387, 0.2689, 0.4760



24.7283, 0.4649, 0.2439

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.



74.0387, 0.4342, 0.2780



74.0387, 0.2689, 0.4760



74.0387, 0.2443, 0.1953

Square

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



74.0387, 0.2689, 0.4760



74.0387, 0.1552, 0.2125



74.0387, 0.3356, 0.2267



74.0387, 0.4946, 0.4084

Rectangle

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



74.0387, 0.2689, 0.4760



74.0387, 0.1670, 0.3038



74.0387, 0.3356, 0.2267



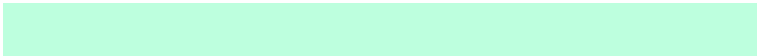
74.0387, 0.4819, 0.3192

Sweetspot

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



74.0391, 0.2689, 0.4760



87.5737, 0.2914, 0.3653



77.8202, 0.3428, 0.5550



18.4606, 0.2888, 0.3709



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.



74.0391, 0.2689, 0.4760



73.0791, 0.2732, 0.5034



79.1533, 0.2268, 0.3287



20.3203, 0.3047, 0.3411



38.2156, 0.2723, 0.5004



3.7430, 0.2666, 0.4797

Inverse Universe

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



24.7283, 0.4649, 0.2439



22.7917, 0.5010, 0.2534



22.7906, 0.6121, 0.3299



18.1379, 0.3216, 0.3172



11.9393, 0.4973, 0.2513



1.1845, 0.4718, 0.2372

Previews

White Background



This preview shows how the Yxy color 74.0387, 0.2689, 0.4760 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 74.0387, 0.2689, 0.4760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

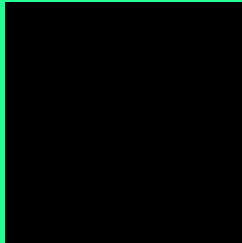
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0387, 0.2689, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 74.0387, 0.2689, 0.4760.

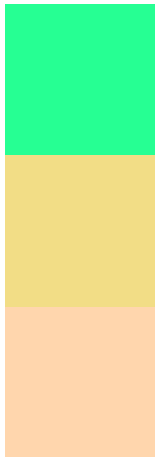


This preview shows how white text looks on a background with the Yxy color 74.0387, 0.2689, 0.4760.

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

74.0387, 0.2689, 0.4760

Protanopia

72.3114, 0.3881, 0.4202

Deuteranopia

72.3703, 0.3737, 0.3714



Tritanopia

73.1149, 0.2444, 0.3090

Trichromacy



Original Color

74.0387, 0.2689, 0.4760



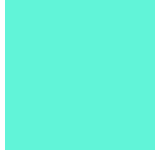
Protanomaly

68.4667, 0.3256, 0.4463



Deuteranomaly

67.9491, 0.3169, 0.4092



Tritanomaly

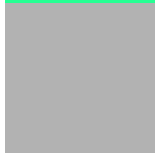
72.2006, 0.2507, 0.3644

Monochromacy



Original Color

74.0387, 0.2689, 0.4760



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4447, 0.2826, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0387, 0.2689, 0.4760 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(38, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 147)  
}
```

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(38, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 74.0387, 0.2689, 0.4760 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(38, 255, 147) }
```

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

```
.border{ border-color:rgb(38, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0387, 0.2689, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 147) }
```

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

```
.background{ background-color: rgb(38, 255,  
147) }
```

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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