

Converting Colors

$Y_{xy}(74.1628, 0.2659, 0.4675)$

Have a look what the booklet for
Yxy(74.1628, 0.2659, 0.4675)
contains.

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Color

Yxy(74.1600, 0.2660, 0.4677)

Conversions

Conversions Part 1

Format	Color
Hex	22FF99
RGB	34, 255, 153
RGB Percent	13%, 100%, 60%
CMY	0.8652, 0.0000, 0.4000
CMYK	0.87, 0.00, 0.40, 0.00
HSL	152°, 100%, 57%
HSV	152°, 87%, 100%
XYZ	42.1778, 74.1600, 42.2254
YIQ	177.2930, -98.9740, -78.5740

Conversions

Conversions Part 2

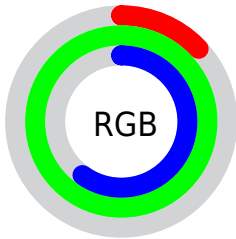
Format	Color
RYB	34, 178, 255
Decimal	2293657
CIELab	89.00, -71.20, 35.18
CIELCh	89, 79.421, 153.705
Yxy	74.1600, 0.2660, 0.4677
Android (android.graphics.Color)	4280483737 (0xFF22FF99)
YUV	177.2930, -11.9764, -125.6680
Hunter-Lab	86.1162, -63.2780, 31.2097

Details

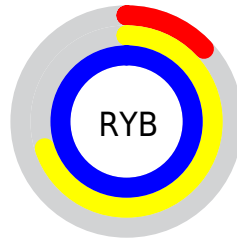
The Yxy color **74.1600, 0.2660, 0.4677** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.2122, 0.4814, 0.2518**, and the grayscale version is **44.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2850, 0.2661, 0.3863**, and **40.8721, 0.2714, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **73.5033, 0.2686, 0.4851**, and if you desaturate by 10%, it is **75.1821, 0.2654, 0.4496**.

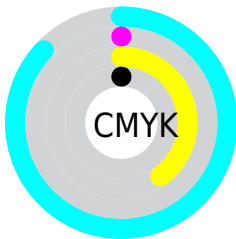
Distribution



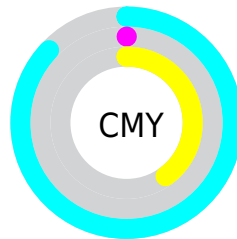
- Red (13%)
- Green (100%)
- Blue (60%)



- Red (13%)
- Yellow (70%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1600, 0.2660, 0.4677 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 74.1600, 0.2660, 0.4677 by changing the saturation by 10% instead.


 74.1600, 0.2660,
0.4677


 74.1600, 0.2660,
0.4677

475.0254, 0.2903,
0.3984

 54.9250, 0.2598,
0.4847


 125.1226, 0.2750,
0.4426


 39.3417, 0.2517,
0.5064


 157.6190, 0.2783,
0.4332

 27.0256, 0.2409,
0.5346


 195.3046, 0.2811,
0.4252

 17.5925, 0.2259,
0.5728

 238.5639, 0.2835,
0.4183

 10.6578, 0.2039,
0.6264

287.7812, 0.2856,
0.4123

 5.8372, 0.1698,
0.7049


343.3410, 0.2874,


 2.7464, 0.0867,


0.4071


0.9133


405.6276, 0.2889,
0.4025


 1.0008, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.1600, 0.2660,
0.4677


 74.1600, 0.2660,
0.4677


 73.5033, 0.2686,
0.4851

 75.1821, 0.2654,
0.4496

 73.3261, 0.2697,
0.4910


 76.6226, 0.2669,
0.4312


 78.5341, 0.2703,
0.4130

 80.9589, 0.2755,
0.3954

 83.9344, 0.2821,
0.3788

 87.4946, 0.2897,
0.3634

 91.6706, 0.2981,
0.3493

 96.4911, 0.3069,
0.3366

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



74.1600, 0.3534, 0.5056



74.1600, 0.2660, 0.4677



74.1600, 0.1963, 0.3680

Triad

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



74.1600, 0.2660, 0.4677



74.1600, 0.1884, 0.1916



74.1600, 0.4929, 0.3446

Complementary

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



74.1600, 0.2660, 0.4677



24.2122, 0.4814, 0.2518

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.



74.1600, 0.4355, 0.2824



74.1600, 0.2660, 0.4677



74.1600, 0.2500, 0.1990

Square

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



74.1600, 0.2660, 0.4677



74.1600, 0.1589, 0.2132



74.1600, 0.3404, 0.2310



74.1600, 0.4890, 0.4110

Rectangle

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



74.1600, 0.2660, 0.4677



74.1600, 0.1685, 0.2999



74.1600, 0.3404, 0.2310



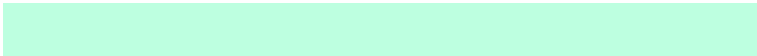
74.1600, 0.4803, 0.3232

Sweetspot

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



74.1630, 0.2660, 0.4677



87.7013, 0.2901, 0.3626



76.9805, 0.3380, 0.5604



18.4907, 0.2874, 0.3678



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.



74.1630, 0.2660, 0.4677



73.3293, 0.2697, 0.4910



74.4802, 0.2240, 0.3198



20.3315, 0.3042, 0.3402



38.3467, 0.2689, 0.4882



3.7558, 0.2635, 0.4685

Inverse Universe

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



24.2122, 0.4814, 0.2518



22.5654, 0.5164, 0.2618



23.0129, 0.6128, 0.3330



18.1268, 0.3221, 0.3181



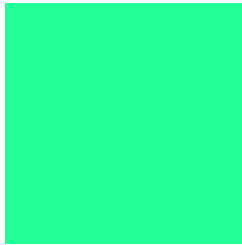
11.8203, 0.5124, 0.2597



1.1727, 0.4850, 0.2445

Previews

White Background



This preview shows how the Yxy color 74.1600, 0.2660, 0.4677 looks on a white background.

Color Contrast Check

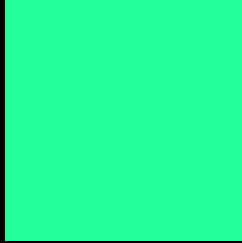
Large Text (above 18pt) WCAG AA × Fail

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 74.1600, 0.2660, 0.4677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

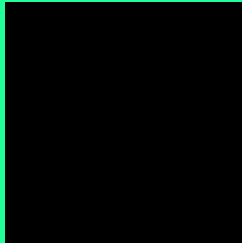
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

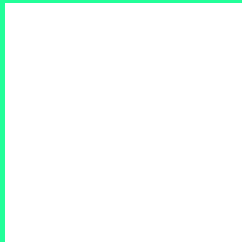
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.1600, 0.2660, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 74.1600, 0.2660, 0.4677.

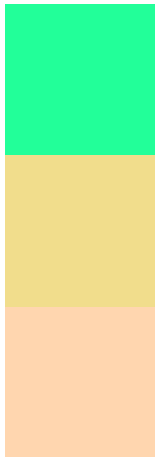


This preview shows how white text looks on a background with the Yxy color 74.1600, 0.2660, 0.4677.

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

74.1600, 0.2660, 0.4677

Protanopia

72.3071, 0.3834, 0.4146

Deuteranopia

72.4483, 0.3723, 0.3693



Tritanopia

73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.1600, 0.2660, 0.4677



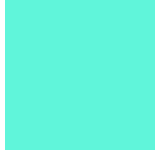
Protanomaly

68.4292, 0.3208, 0.4393



Deuteranomaly

67.9426, 0.3144, 0.4056



Tritanomaly

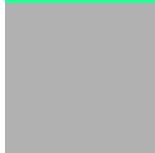
72.8536, 0.2497, 0.3629

Monochromacy



Original Color

74.1600, 0.2660, 0.4677



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.8498, 0.2807, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1600, 0.2660, 0.4677 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(34, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(34, 255, 153)  
}
```

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(34, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 74.1600, 0.2660, 0.4677 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(34, 255, 153) }
```

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

```
.border{ border-color:rgb(34, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(34, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1600, 0.2660, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 255, 153) }
```

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

```
.background{ background-color: rgb(34, 255,  
153) }
```

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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