

Converting Colors

$Y_{xy}(74.0142, 0.2625, 0.4630)$

Have a look what the booklet for
Yxy(74.0142, 0.2625, 0.4630)
contains.

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Color

Yxy(74.0255, 0.2624, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	0BFF9D
RGB	11, 255, 157
RGB Percent	4%, 100%, 62%
CMY	0.9586, 0.0000, 0.3842
CMYK	0.96, 0.00, 0.38, 0.00
HSL	156°, 100%, 52%
HSV	156°, 96%, 100%
XYZ	41.9803, 74.0255, 43.9801
YIQ	170.8720, -113.9660, -82.2060

Conversions

Conversions Part 2

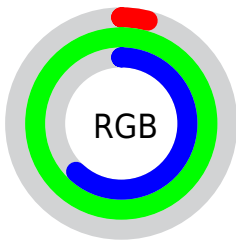
Format	Color
RYB	11, 164, 255
Decimal	786333
CIELab	88.93, -71.53, 33.08
CIELCh	89, 78.805, 155.180
Yxy	74.0255, 0.2624, 0.4627
Android (android.graphics.Color)	4278976413 (0xFF0BFF9D)
YUV	170.8720, -6.8389, -140.2077
Hunter-Lab	86.0381, -63.4716, 29.9193

Details

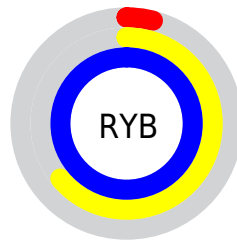
The Yxy color **74.0255, 0.2624, 0.4627** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.5840, 0.5309, 0.2719**, and the grayscale version is **40.6669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0554, 0.2620, 0.3814**, and **40.9524, 0.2695, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **73.8127, 0.2636, 0.4689**, and if you desaturate by 10%, it is **74.6951, 0.2604, 0.4473**.

Distribution



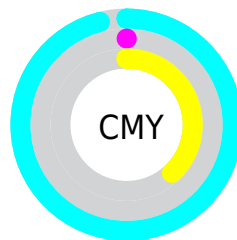
- Red (4%)
- Green (100%)
- Blue (62%)



- Red (4%)
- Yellow (64%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0255, 0.2624, 0.4627 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 74.0255, 0.2624, 0.4627 by changing the saturation by 10% instead.


 74.0255, 0.2624,
0.4627

 74.0255, 0.2624,
0.4627


474.5614, 0.2882,
0.3959

 54.8149, 0.2559,
0.4791


 124.9320, 0.2718,
0.4386

 39.2536, 0.2475,
0.4999


 157.3966, 0.2754,
0.4295

 26.9570, 0.2365,
0.5272


 195.0481, 0.2783,
0.4217

 17.5410, 0.2212,
0.5640

 238.2707, 0.2809,
0.4151

 10.6209, 0.1991,
0.6161

 287.4490, 0.2831,
0.4094

 5.8126, 0.1652,
0.6928


342.9673, 0.2850,

 2.7314, 0.0827,


0.4043


0.9173


405.2099, 0.2867,
0.3999


 0.9932, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.0255, 0.2624,
0.4627


 74.0255, 0.2624,
0.4627


 73.8127, 0.2636,
0.4689

 74.6951, 0.2604,
0.4473


 75.7229, 0.2605,
0.4315

 77.1666, 0.2626,
0.4157

 79.0748, 0.2666,
0.4001

 81.4892, 0.2725,
0.3851

 84.4467, 0.2797,
0.3710

 87.9805, 0.2881,
0.3578

 92.1212, 0.2973,
0.3458

 96.8973, 0.3069,
0.3349

Harmonies

Analogous

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



74.0255, 0.3490, 0.5043



74.0255, 0.2624, 0.4627



74.0255, 0.1945, 0.3625

Triad

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



74.0255, 0.2624, 0.4627



74.0255, 0.1913, 0.1921



74.0255, 0.4930, 0.3479

Complementary

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



74.0255, 0.2624, 0.4627



22.5840, 0.5309, 0.2719

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.



74.0255, 0.4387, 0.2856



74.0255, 0.2624, 0.4627



74.0255, 0.2542, 0.2008

Square

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



74.0255, 0.2624, 0.4627



74.0255, 0.1605, 0.2121



74.0255, 0.3451, 0.2337



74.0255, 0.4863, 0.4140

Rectangle

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



74.0255, 0.2624, 0.4627



74.0255, 0.1680, 0.2957



74.0255, 0.3451, 0.2337



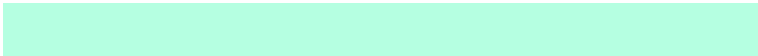
74.0255, 0.4814, 0.3264

Sweetspot

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



74.0231, 0.2624, 0.4627



86.8055, 0.2854, 0.3618



75.0151, 0.3271, 0.5766



18.2589, 0.2818, 0.3675



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.



74.0231, 0.2624, 0.4627



73.8127, 0.2636, 0.4689



66.4935, 0.2180, 0.3033



20.3509, 0.3034, 0.3387



38.5990, 0.2629, 0.4664



3.7799, 0.2581, 0.4490

Inverse Universe

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



22.5840, 0.5309, 0.2719



22.2237, 0.5423, 0.2761



22.2598, 0.6289, 0.3350



18.1077, 0.3231, 0.3195



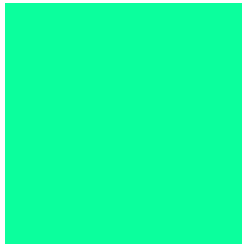
11.6399, 0.5381, 0.2738



1.1542, 0.5080, 0.2572

Previews

White Background



This preview shows how the Yxy color 74.0255, 0.2624, 0.4627 looks on a white background.

Color Contrast Check

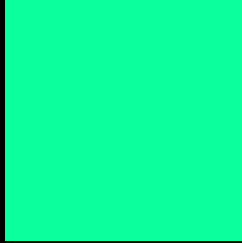
Large Text (above 18pt) WCAG AA × Fail

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 74.0255, 0.2624, 0.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

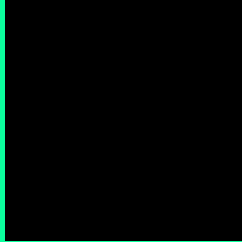
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0255, 0.2624, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 74.0255, 0.2624, 0.4627.



This preview shows how white text looks on a background with the Yxy color 74.0255, 0.2624, 0.4627.

Color Blindness Simulation

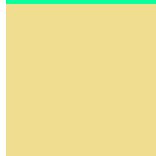
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



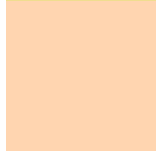
Original Color

74.0255, 0.2624, 0.4627



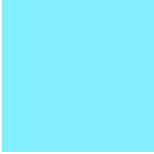
Protanopia

72.2213, 0.3806, 0.4118



Deuteranopia

71.9831, 0.3718, 0.3673



Tritanopia

73.6201, 0.2442, 0.3102

Trichromacy



Original Color

74.0255, 0.2624, 0.4627



Protanomaly

67.5840, 0.3132, 0.4375



Deuteranomaly

66.4584, 0.3073, 0.4033



Tritanomaly

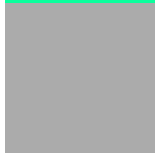
72.3977, 0.2463, 0.3619

Monochromacy



Original Color

74.0255, 0.2624, 0.4627



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.5049, 0.2743, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0255, 0.2624, 0.4627 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(11, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 157)  
}
```

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(11, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 74.0255, 0.2624, 0.4627 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(11, 255, 157) }
```

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

```
.border{ border-color:rgb(11, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
157) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.0255, 0.2624, 0.4627$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 157) }
```

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

```
.background{ background-color: rgb(11, 255,  
157) }
```

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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