

Converting Colors

$Y_{xy}(74.2563, 0.2786, 0.4923)$

Have a look what the booklet for
Yxy(74.2563, 0.2786, 0.4923)
contains.

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Color

Yxy(74.2654, 0.2785, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	3EFF86
RGB	62, 255, 134
RGB Percent	24%, 100%, 53%
CMY	0.7570, 0.0000, 0.4746
CMYK	0.76, 0.00, 0.47, 0.00
HSL	142°, 100%, 62%
HSV	142°, 76%, 100%
XYZ	42.0470, 74.2654, 34.6642
YIQ	183.4990, -76.1870, -78.5470

Conversions

Conversions Part 2

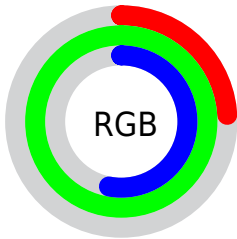
Format	Color
RYB	62, 203, 255
Decimal	4128646
CIELab	89.05, -71.81, 44.55
CIELCh	89, 84.510, 148.184
Yxy	74.2654, 0.2785, 0.4919
Android (android.graphics.Color)	4282318726 (0xFF3EFF86)
YUV	183.4990, -24.4030, -106.5546
Hunter-Lab	86.1774, -63.7181, 36.4752

Details

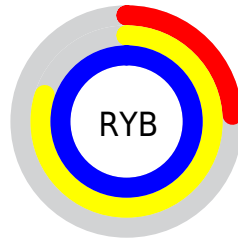
The Yxy color **74.2654, 0.2785, 0.4919** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **28.1210, 0.4051, 0.2212**, and the grayscale version is **47.8042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4284, 0.2807, 0.4097**, and **40.5417, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **73.2115, 0.2798, 0.5150**, and if you desaturate by 10%, it is **75.7700, 0.2791, 0.4675**.

Distribution



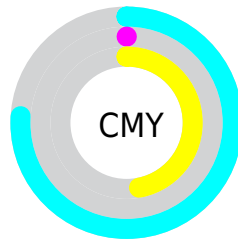
- Red (24%)
- Green (100%)
- Blue (53%)



- Red (24%)
- Yellow (80%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2654, 0.2785, 0.4919 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 74.2654, 0.2785, 0.4919 by changing the saturation by 10% instead.


 74.2654, 0.2785,
0.4919

 74.2654, 0.2785,
0.4919


475.3888, 0.2982,
0.4102

 55.0113, 0.2729,
0.5119


 125.2720, 0.2862,
0.4624


 39.4108, 0.2655,
0.5372

 157.7932, 0.2889,
0.4512

 27.0794, 0.2551,
0.5700


 195.5056, 0.2912,
0.4418

 17.6329, 0.2401,
0.6136

 238.7935, 0.2931,
0.4337

 10.6867, 0.2171,
0.6734

288.0415, 0.2947,
0.4266

 5.8566, 0.1824,
0.7670

343.6337, 0.2960,

 2.7581, 0.0835,

0.4204

405.9547, 0.2972,
0.4150

0.9165

1.0068, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

74.2654, 0.2785,
0.4919

74.2654, 0.2785,
0.4919

73.2115, 0.2798,
0.5150

75.7700, 0.2791,
0.4675


72.5504, 0.2828,
0.5358

77.7805, 0.2814,
0.4427

72.3485, 0.2844,
0.5439


80.3387, 0.2853,
0.4186

83.4836, 0.2903,
0.3957

 87.2503, 0.2961,
0.3745

 91.6708, 0.3024,
0.3552

 96.7754, 0.3090,
0.3379

 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.



74.2654, 0.3709, 0.5147



74.2654, 0.2785, 0.4919



74.2654, 0.2004, 0.3917

Triad

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



74.2654, 0.2785, 0.4919



74.2654, 0.1740, 0.1863



74.2654, 0.4975, 0.3315

Complementary

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



74.2654, 0.2785, 0.4919



28.1210, 0.4051, 0.2212

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.



74.2654, 0.4262, 0.2684



74.2654, 0.2785, 0.4919



74.2654, 0.2317, 0.1892

Square

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



74.2654, 0.2785, 0.4919



74.2654, 0.1494, 0.2145



74.2654, 0.3224, 0.2181



74.2654, 0.5040, 0.4002

Rectangle

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



74.2654, 0.2785, 0.4919



74.2654, 0.1671, 0.3158



74.2654, 0.3224, 0.2181



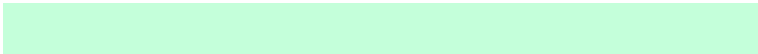
74.2654, 0.4802, 0.3096

Sweetspot

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



74.2639, 0.2785, 0.4919



88.3767, 0.2978, 0.3691



82.0855, 0.3620, 0.5263



18.5956, 0.2955, 0.3763



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.



74.2639, 0.2785, 0.4919



72.8168, 0.2812, 0.5264



78.2151, 0.2395, 0.3607



20.2802, 0.3064, 0.3443



37.8301, 0.2836, 0.5409



3.7037, 0.2773, 0.5181

Inverse Universe

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



28.1210, 0.4051, 0.2212



24.7142, 0.4312, 0.2190



25.4021, 0.5464, 0.3104



18.1787, 0.3196, 0.3142



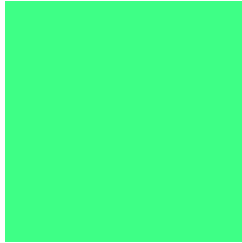
12.4626, 0.4434, 0.2216



1.2346, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 74.2654, 0.2785, 0.4919 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 74.2654, 0.2785, 0.4919 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 74.2654, 0.2785, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 74.2654, 0.2785, 0.4919.

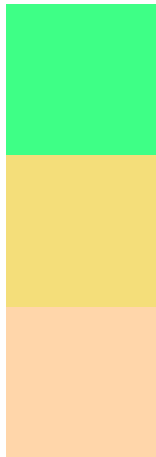


This preview shows how white text looks on a background with the Yxy color 74.2654, 0.2785, 0.4919.

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

74.2654, 0.2785, 0.4919

Protanopia

72.8808, 0.3966, 0.4318

Deuteranopia

72.2554, 0.3760, 0.3745



Tritanopia

73.5200, 0.2464, 0.3091

Trichromacy



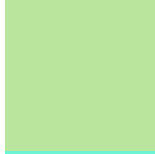
Original Color

74.2654, 0.2785, 0.4919



Protanomaly

69.8170, 0.3394, 0.4597



Deuteranomaly

68.7872, 0.3275, 0.4163



Tritanomaly

72.5927, 0.2568, 0.3706

Monochromacy



Original Color

74.2654, 0.2785, 0.4919



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.8065, 0.2918, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2654, 0.2785, 0.4919 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(62, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 134)  
}
```

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(62, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 134) }
```

Border

The CSS property to change the border of an element to Yxy 74.2654, 0.2785, 0.4919 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(62, 255, 134) }
```

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

```
.border{ border-color:rgb(62, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2654, 0.2785, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 134) }
```

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

```
.background{ background-color: rgb(62, 255,  
134) }
```

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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