

Converting Colors

$Yxy(74.3676, 0.2834, 0.5001)$

Have a look what the booklet for
Yxy(74.3676, 0.2834, 0.5001)
contains.

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Color

Yxy(74.3544, 0.2833, 0.5001)

Conversions

Conversions Part 1

Format	Color
Hex	46FF7F
RGB	70, 255, 127
RGB Percent	27%, 100%, 50%
CMY	0.7251, 0.0000, 0.5020
CMYK	0.73, 0.00, 0.50, 0.00
HSL	138°, 100%, 64%
HSV	138°, 73%, 100%
XYZ	42.1208, 74.3544, 32.2039
YIQ	185.0930, -69.1720, -79.0280

Conversions

Conversions Part 2

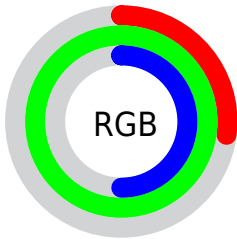
Format	Color
RYB	70, 211, 255
Decimal	4652927
CIELab	89.09, -71.77, 47.94
CIELCh	89, 86.306, 146.261
Yxy	74.3544, 0.2833, 0.5001
Android (android.graphics.Color)	4282843007 (0xFF46FF7F)
YUV	185.0930, -28.6398, -100.9366
Hunter-Lab	86.2290, -63.7078, 38.2173

Details

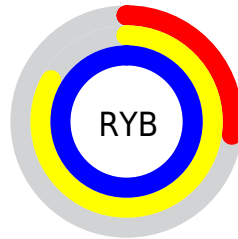
The Yxy color **74.3544, 0.2833, 0.5001** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **29.7353, 0.3837, 0.2127**, and the grayscale version is **48.7775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5601, 0.2865, 0.4182**, and **40.4269, 0.2835, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **73.1798, 0.2841, 0.5250**, and if you desaturate by 10%, it is **76.0181, 0.2842, 0.4735**.

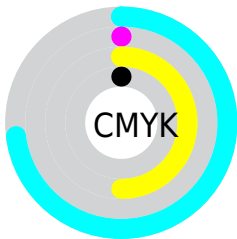
Distribution



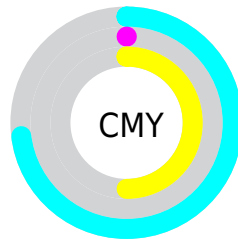
- Red (27%)
- Green (100%)
- Blue (50%)



- Red (27%)
- Yellow (83%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3544, 0.2833, 0.5001 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 74.3544, 0.2833, 0.5001 by changing the saturation by 10% instead.


 74.3544, 0.2833,
0.5001

 74.3544, 0.2833,
0.5001


475.6956, 0.3013,
0.4143

 55.0842, 0.2780,
0.5210


 125.3981, 0.2905,
0.4692

 39.4691, 0.2707,
0.5474


 157.9403, 0.2930,
0.4575

 27.1249, 0.2605,
0.5814


 195.6753, 0.2951,
0.4475

 17.6670, 0.2454,
0.6264

 238.9874, 0.2968,
0.4390

 10.7112, 0.2219,
0.6872

288.2611, 0.2982,
0.4316

 5.8730, 0.1885,
0.7906


343.8808, 0.2994,

 2.7680, 0.0849,

0.4251


0.9151


406.2308, 0.3004,
0.4194


 1.0118, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.3544, 0.2833,
0.5001


 74.3544, 0.2833,
0.5001


 73.1798, 0.2841,
0.5250


 76.0181, 0.2842,
0.4735


 72.4262, 0.2866,
0.5470


 78.2110, 0.2866,
0.4464


 72.0763, 0.2892,
0.5610

 80.9791, 0.2903,
0.4201

 84.3607, 0.2949,
0.3952

 88.3908, 0.3001,
0.3723

 93.1019, 0.3056,
0.3517

 98.5239, 0.3113,
0.3333

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



74.3544, 0.3773, 0.5169



74.3544, 0.2833, 0.5001



74.3544, 0.2023, 0.4007

Triad

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



74.3544, 0.2833, 0.5001



74.3544, 0.1692, 0.1848



74.3544, 0.4984, 0.3267

Complementary

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



74.3544, 0.2833, 0.5001



29.7353, 0.3837, 0.2127

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.



74.3544, 0.4221, 0.2635



74.3544, 0.2833, 0.5001



74.3544, 0.2254, 0.1860

Square

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



74.3544, 0.2833, 0.5001



74.3544, 0.1464, 0.2154



74.3544, 0.3158, 0.2137



74.3544, 0.5090, 0.3960

Rectangle

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



74.3544, 0.2833, 0.5001



74.3544, 0.1671, 0.3222



74.3544, 0.3158, 0.2137



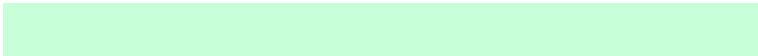
74.3544, 0.4794, 0.3047

Sweetspot

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



74.3574, 0.2833, 0.5001



88.6145, 0.3004, 0.3712



84.1779, 0.3702, 0.5145



18.7171, 0.2989, 0.3772



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.



74.3574, 0.2833, 0.5001



72.7933, 0.2851, 0.5353



77.8885, 0.2455, 0.3753



20.2602, 0.3073, 0.3459



37.6848, 0.2884, 0.5581



3.6878, 0.2822, 0.5358

Inverse Universe

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



29.7353, 0.3837, 0.2127



25.9331, 0.4030, 0.2060



26.7160, 0.5152, 0.2986



18.1996, 0.3185, 0.3127



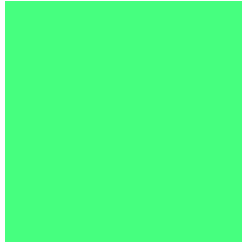
12.7861, 0.4178, 0.2075



1.2645, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 74.3544, 0.2833, 0.5001 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 74.3544, 0.2833, 0.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

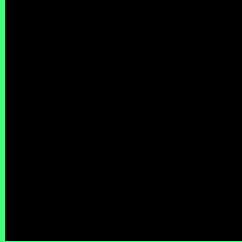
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3544, 0.2833, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 74.3544, 0.2833, 0.5001.

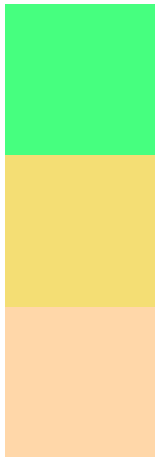


This preview shows how white text looks on a background with the Yxy color 74.3544, 0.2833, 0.5001.

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

74.3544, 0.2833, 0.5001

Protanopia

72.7366, 0.4002, 0.4372

Deuteranopia

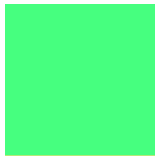
72.7255, 0.3764, 0.3765



Tritanopia

73.6874, 0.2473, 0.3092

Trichromacy



Original Color

74.3544, 0.2833, 0.5001



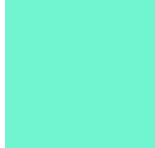
Protanomaly

70.0255, 0.3448, 0.4655



Deuteranomaly

69.6181, 0.3313, 0.4204



Tritanomaly

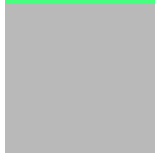
72.7661, 0.2601, 0.3744

Monochromacy



Original Color

74.3544, 0.2833, 0.5001



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6132, 0.2951, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3544, 0.2833, 0.5001 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(70, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(70, 255, 127)  
}
```

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(70, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 74.3544, 0.2833, 0.5001 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(70, 255, 127) }
```

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

```
.border{ border-color:rgb(70, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(70, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3544, 0.2833, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 255, 127) }
```

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

```
.background{ background-color: rgb(70, 255,  
127) }
```

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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