

Converting Colors

Yxy(73.4812, 0.2830, 0.5164)

Have a look what the booklet for
Yxy(73.4812, 0.2830, 0.5164)
contains.

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Color

Yxy(73.4848, 0.2830, 0.5162)

Conversions

Conversions Part 1

Format	Color
Hex	33FF74
RGB	51, 255, 116
RGB Percent	20%, 100%, 45%
CMY	0.7990, 0.0000, 0.5451
CMYK	0.80, 0.00, 0.55, 0.00
HSL	139°, 100%, 60%
HSV	139°, 80%, 100%
XYZ	40.2871, 73.4848, 28.5853
YIQ	178.1580, -76.9650, -86.4770

Conversions

Conversions Part 2

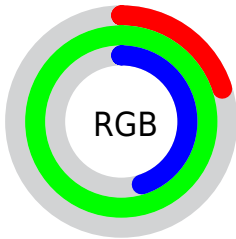
Format	Color
RYB	51, 206, 255
Decimal	3407732
CIELab	88.68, -75.61, 52.42
CIELCh	89, 92.003, 145.269
Yxy	73.4848, 0.2830, 0.5162
Android (android.graphics.Color)	4281597812 (0xFF33FF74)
YUV	178.1580, -30.6439, -111.5176
Hunter-Lab	85.7233, -66.1267, 40.2354

Details

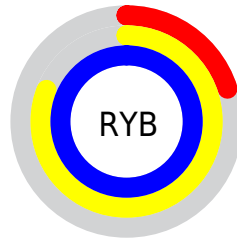
The Yxy color **73.4848, 0.2830, 0.5162** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.3762, 0.3965, 0.2097**, and the grayscale version is **44.8447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2856, 0.2870, 0.4337**, and **40.2803, 0.2880, 0.5567** is the 20% darker color. If you saturate the color by 10%, you get **72.6262, 0.2851, 0.5390**, and if you desaturate by 10%, it is **74.7883, 0.2826, 0.4909**.

Distribution



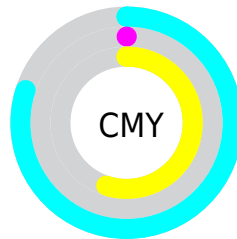
- Red (20%)
- Green (100%)
- Blue (45%)



- Red (20%)
- Yellow (81%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4848, 0.2830, 0.5162 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 73.4848, 0.2830, 0.5162 by changing the saturation by 10% instead.


 73.4848, 0.2830,
0.5162


 73.4848, 0.2830,
0.5162


472.6933, 0.3021,
0.4219


 54.3725, 0.2771,
0.5392

 124.1652, 0.2908,
0.4822


 38.8995, 0.2691,
0.5680


 156.5021, 0.2935,
0.4693

 26.6816, 0.2576,
0.6051


 194.0159, 0.2956,
0.4584

 17.3342, 0.2405,
0.6536

 237.0911, 0.2974,
0.4490

 10.4731, 0.2138,
0.7178

286.1120, 0.2989,
0.4409

 5.7137, 0.1756,
0.8244

341.4631, 0.3001,

 2.6718, 0.0428,

0.4338

0.9572

403.5288, 0.3012,
0.4275

■ 0.9629, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.4848, 0.2830,
0.5162

■ 73.4848, 0.2830,
0.5162

■ 72.6262, 0.2851,
0.5390

■ 74.7883, 0.2826,
0.4909

■ 72.1154, 0.2885,
0.5584

■ 76.5834, 0.2840,
0.4644

■ 72.1112, 0.2885,
0.5585

■ 78.9203, 0.2868,
0.4378

■ 81.8402, 0.2909,
0.4121

■ 85.3806, 0.2958,
0.3881

■ 89.5756, 0.3012,
0.3661

■ 94.4566, 0.3070,
0.3464

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



73.4848, 0.3819, 0.5280



73.4848, 0.2830, 0.5162



73.4848, 0.1972, 0.4102

Triad

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



73.4848, 0.2830, 0.5162



73.4848, 0.1602, 0.1774



73.4848, 0.5093, 0.3225

Complementary

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



73.4848, 0.2830, 0.5162



27.3762, 0.3965, 0.2097

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.



73.4848, 0.4259, 0.2572



73.4848, 0.2830, 0.5162



73.4848, 0.2174, 0.1781

Square

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



73.4848, 0.2830, 0.5162



73.4848, 0.1377, 0.2098



73.4848, 0.3118, 0.2061



73.4848, 0.5213, 0.3944

Rectangle

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



73.4848, 0.2830, 0.5162



73.4848, 0.1599, 0.3245



73.4848, 0.3118, 0.2061



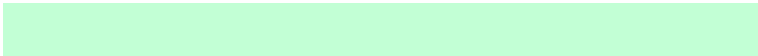
73.4848, 0.4884, 0.2998

Sweetspot

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



73.4878, 0.2830, 0.5162



87.7798, 0.2989, 0.3749



82.7659, 0.3686, 0.5286



18.4731, 0.2970, 0.3828



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.



73.4878, 0.2830, 0.5162



72.2906, 0.2871, 0.5512



77.2698, 0.2422, 0.3762



20.2633, 0.3072, 0.3456



37.7054, 0.2877, 0.5556



3.6901, 0.2814, 0.5331

Inverse Universe

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



27.3762, 0.3965, 0.2097



24.6633, 0.4185, 0.2093



24.3629, 0.5506, 0.3033



18.1963, 0.3187, 0.3129



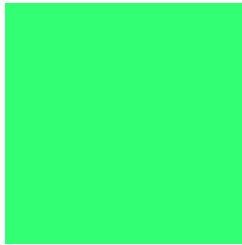
12.7329, 0.4217, 0.2097



1.2596, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 73.4848, 0.2830, 0.5162 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 73.4848, 0.2830, 0.5162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

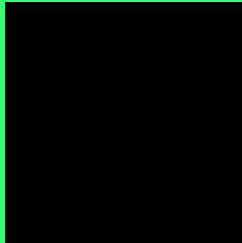
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4848, 0.2830, 0.5162

Background



This preview shows how black text looks on a background with the Yxy color 73.4848, 0.2830, 0.5162.

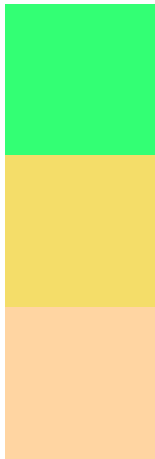


This preview shows how white text looks on a background with the Yxy color 73.4848, 0.2830, 0.5162.

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

73.4848, 0.2830, 0.5162

Protanopia

71.9659, 0.4070, 0.4457

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

73.0362, 0.2440, 0.3090

Trichromacy



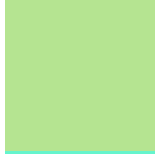
Original Color

73.4848, 0.2830, 0.5162



Protanomaly

68.3806, 0.3456, 0.4789



Deuteranomaly

67.3549, 0.3321, 0.4309



Tritanomaly

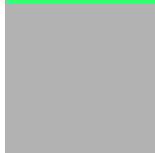
71.8277, 0.2574, 0.3803

Monochromacy



Original Color

73.4848, 0.2830, 0.5162



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4147, 0.2933, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4848, 0.2830, 0.5162 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(51, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 116)  
}
```

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(51, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 116) }
```

Border

The CSS property to change the border of an element to Yxy 73.4848, 0.2830, 0.5162 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(51, 255, 116) }
```

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

```
.border{ border-color:rgb(51, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4848, 0.2830, 0.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 116) }
```

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

```
.background{ background-color: rgb(51, 255,  
116) }
```

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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