

Converting Colors

$Yxy(73.5012, 0.3025, 0.5576)$

Have a look what the booklet for
Yxy(73.5012, 0.3025, 0.5576)
contains.

Yxy(73.4969, 0.3026, 0.5579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.4969, 0.3026, 0.5579)

Conversions

Conversions Part 1

Format	Color
Hex	4BFF49
RGB	75, 255, 73
RGB Percent	29%, 100%, 29%
CMY	0.7058, 0.0000, 0.7139
CMYK	0.71, 0.00, 0.71, 0.00
HSL	119°, 100%, 64%
HSV	119°, 71%, 100%
XYZ	39.8641, 73.4969, 18.3775
YIQ	180.4320, -48.8580, -94.7620

Conversions

Conversions Part 2

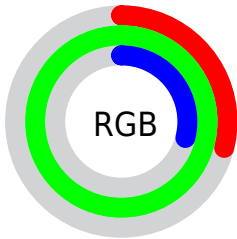
Format	Color
RYB	73, 255, 253
Decimal	4980553
CIELab	88.68, -76.96, 69.96
CIELCh	89, 104.004, 137.725
Yxy	73.4969, 0.3026, 0.5579
Android (android.graphics.Color)	4283170633 (0xFF4BFF49)
YUV	180.4320, -52.9640, -92.4639
Hunter-Lab	85.7303, -67.0267, 47.3016

Details

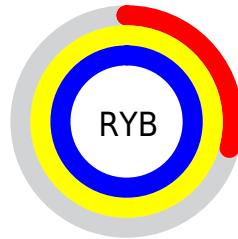
The Yxy color **73.4969, 0.3026, 0.5579** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **32.8445, 0.3181, 0.1715**, and the grayscale version is **46.1973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3617, 0.3139, 0.4801**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.4023, 0.3014, 0.5805**, and if you desaturate by 10%, it is **75.1330, 0.3041, 0.5280**.

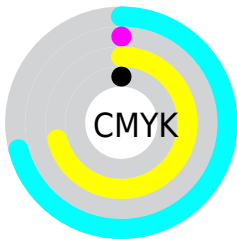
Distribution



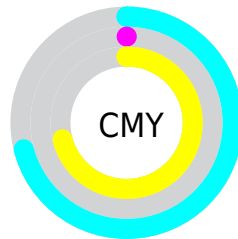
- Red (29%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (99%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4969, 0.3026, 0.5579 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 73.4969, 0.3026, 0.5579 by changing the saturation by 10% instead.


 73.4969, 0.3026,
0.5579


 73.4969, 0.3026,
0.5579

472.7352, 0.3162,
0.4440


 54.3824, 0.2968,
0.5845


 124.1824, 0.3094,
0.5176


 38.9074, 0.2882,
0.6169


 156.5221, 0.3115,
0.5021


 26.6877, 0.2751,
0.6568


 194.0390, 0.3129,
0.4888

 17.3388, 0.2545,
0.7057


 237.1175, 0.3140,
0.4773

 10.4764, 0.2250,
0.7750

 286.1420, 0.3148,
0.4674

 5.7159, 0.1706,
0.8294

341.4968, 0.3154,

 2.6731, 0.0317,

0.4586

0.9683

403.5664, 0.3159,
0.4509

0.9636, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.4969, 0.3026,
0.5579

73.4969, 0.3026,
0.5579

72.4023, 0.3014,
0.5805

75.1330, 0.3041,
0.5280


71.7795, 0.3005,
0.5943

77.3672, 0.3057,
0.4936

71.5388, 0.3002,
0.5999


80.2501, 0.3073,
0.4574

83.8266, 0.3089,
0.4219

 88.1377, 0.3103,
0.3888

 93.2212, 0.3115,
0.3588

 99.1122, 0.3126,
0.3324

 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.



73.4969, 0.4099, 0.5365



73.4969, 0.3026, 0.5579



73.4969, 0.2030, 0.4592

Triad

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



73.4969, 0.3026, 0.5579



73.4969, 0.1368, 0.1674



73.4969, 0.5170, 0.2999

Complementary

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



73.4969, 0.3026, 0.5579



32.8445, 0.3181, 0.1715

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.



73.4969, 0.4077, 0.2332



73.4969, 0.3026, 0.5579



73.4969, 0.1876, 0.1610

Square

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



73.4969, 0.3026, 0.5579



73.4969, 0.1211, 0.2113



73.4969, 0.2806, 0.1840



73.4969, 0.5485, 0.3745

Rectangle

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



73.4969, 0.3026, 0.5579



73.4969, 0.1560, 0.3573



73.4969, 0.2806, 0.1840



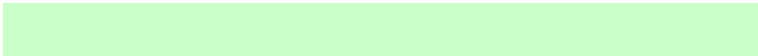
73.4969, 0.4871, 0.2765

Sweetspot

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



73.4972, 0.3026, 0.5579



88.3236, 0.3103, 0.3875



91.3396, 0.4099, 0.4847



18.6321, 0.3100, 0.3964



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.



73.4972, 0.3026, 0.5579



72.0616, 0.3009, 0.5880



75.5052, 0.2701, 0.4539



20.1781, 0.3117, 0.3536



37.3849, 0.3002, 0.5998



3.6434, 0.3008, 0.5994

Inverse Universe

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



32.8445, 0.3181, 0.1715



29.2508, 0.3182, 0.1578



28.8078, 0.4257, 0.2424



18.2892, 0.3136, 0.3056



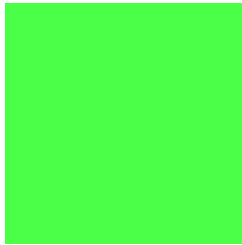
14.5993, 0.3181, 0.1526



1.4248, 0.3184, 0.1528

Previews

White Background



This preview shows how the Yxy color 73.4969, 0.3026, 0.5579 looks on a white background.

Color Contrast Check

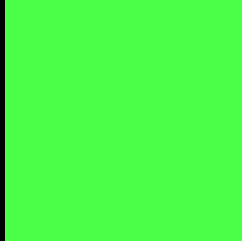
Large Text (above 18pt) WCAG AA × Fail

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 73.4969, 0.3026, 0.5579 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 73.4969, 0.3026, 0.5579

Background



This preview shows how black text looks on a background with the Yxy color 73.4969, 0.3026, 0.5579.

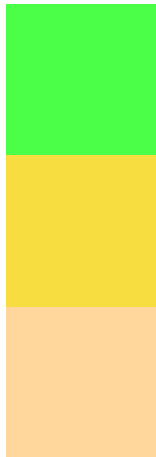


This preview shows how white text looks on a background with the Yxy color 73.4969, 0.3026, 0.5579.

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

73.4969, 0.3026, 0.5579

Protanopia

71.8572, 0.4278, 0.4719

Deuteranopia

71.7534, 0.3862, 0.3887



Tritanopia

72.8567, 0.2458, 0.3079

Trichromacy



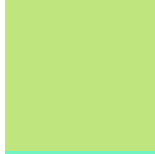
Original Color

73.4969, 0.3026, 0.5579



Protanomaly

68.8734, 0.3704, 0.5111



Deuteranomaly

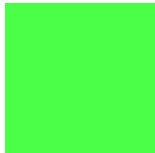
68.4921, 0.3496, 0.4516



Tritanomaly

71.8862, 0.2690, 0.4000

Monochromacy



Original Color

73.4969, 0.3026, 0.5579



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2995, 0.3090, 0.4223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4969, 0.3026, 0.5579 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(75, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 73)  
}
```

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(75, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 73.4969, 0.3026, 0.5579 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(75, 255, 73) }
```

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

```
.border{ border-color:rgb(75, 255, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 255, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4969, 0.3026, 0.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 73) }
```

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

```
.background{ background-color: rgb(75, 255,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor