

Converting Colors

$Yxy(73.4736, 0.3019, 0.5569)$

Have a look what the booklet for
Yxy(73.4736, 0.3019, 0.5569)
contains.

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Color

Yxy(73.4703, 0.3020, 0.5572)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4AFF4A |
| RGB | 74, 255, 74 |
| RGB Percent | 29%, 100%, 29% |
| CMY | 0.7098, 0.0000, 0.7097 |
| CMYK | 0.71, 0.00, 0.71, 0.00 |
| HSL | 120°, 100%, 65% |
| HSV | 120°, 71%, 100% |
| XYZ | 39.8206, 73.4703, 18.5654 |
| YIQ | 180.2470, -49.7750, -94.6630 |

Conversions

Conversions Part 2

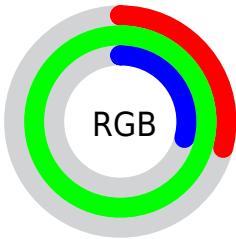
| Format | Color |
|-------------------------------------|--|
| RYB | 74, 255, 255 |
| Decimal | 4915018 |
| CIELab | 88.67, -77.04, 69.56 |
| CIELCh | 89, 103.798, 137.918 |
| Yxy | 73.4703, 0.3020, 0.5572 |
| Android (android.graphics.Color) | 4283105098 (0xFF4AFF4A) |
| YUV | 180.2470, -52.3798, -93.1786 |
| Hunter-Lab | 85.7148, -67.0751, 47.1585 |

Details

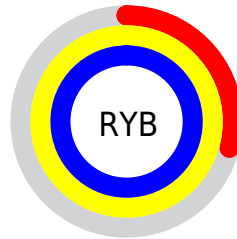
The Yxy color **73.4703, 0.3020, 0.5572** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **33.3751, 0.3201, 0.1730**, and the grayscale version is **46.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2969, 0.3129, 0.4792**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3784, 0.3009, 0.5801**, and if you desaturate by 10%, it is **75.1117, 0.3034, 0.5271**.

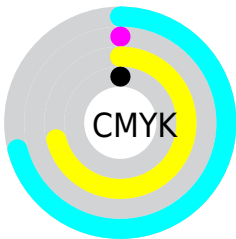
Distribution



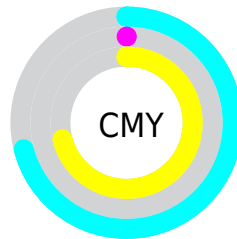
- Red (29%)
- Green (100%)
- Blue (29%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4703, 0.3020, 0.5572 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 73.4703, 0.3020, 0.5572 by changing the saturation by 10% instead.

 73.4703, 0.3020,
0.5572


 73.4703, 0.3020,
0.5572

472.6432, 0.3158,
0.4436


 54.3606, 0.2962,
0.5837


 124.1446, 0.3089,
0.5170

 38.8900, 0.2876,
0.6162


 156.4781, 0.3109,
0.5015

 26.6742, 0.2745,
0.6561


 193.9882, 0.3124,
0.4882

 17.3287, 0.2540,
0.7052

 237.0594, 0.3135,
0.4768

 10.4691, 0.2247,
0.7753

 286.0761, 0.3144,
0.4669

 5.7111, 0.1703,
0.8297


341.4227, 0.3150,

 2.6702, 0.0305,


0.4581

0.9695


403.4836, 0.3155,
0.4504


 0.9621, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.4703, 0.3020,
0.5572


 73.4703, 0.3020,
0.5572

 72.3784, 0.3009,
0.5801


 75.1117, 0.3034,
0.5271

 71.7642, 0.3003,
0.5941

 77.3610, 0.3050,
0.4924

 71.5201, 0.3000,
0.6000


 80.2700, 0.3067,
0.4562

 83.8849, 0.3084,
0.4207

 88.2476, 0.3100,
0.3875

 93.3967, 0.3114,
0.3577

 99.3684, 0.3126,
0.3314

 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.



73.4703, 0.4092, 0.5366



73.4703, 0.3020, 0.5572



73.4703, 0.2026, 0.4580

Triad

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



73.4703, 0.3020, 0.5572



73.4703, 0.1372, 0.1674



73.4703, 0.5172, 0.3005

Complementary

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



73.4703, 0.3020, 0.5572



33.3751, 0.3201, 0.1730

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.



73.4703, 0.4083, 0.2337



73.4703, 0.3020, 0.5572



73.4703, 0.1882, 0.1613

Square

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



73.4703, 0.3020, 0.5572



73.4703, 0.1214, 0.2110



73.4703, 0.2814, 0.1845



73.4703, 0.5481, 0.3750

Rectangle

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



73.4703, 0.3020, 0.5572



73.4703, 0.1559, 0.3564



73.4703, 0.2814, 0.1845



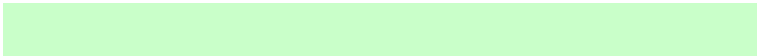
73.4703, 0.4875, 0.2770

Sweetspot

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



73.4706, 0.3020, 0.5572



88.2387, 0.3100, 0.3876



93.2744, 0.4078, 0.4861



18.6125, 0.3095, 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.



73.4706, 0.3020, 0.5572



72.0787, 0.3006, 0.5868



75.6741, 0.2689, 0.4489



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



33.3751, 0.3201, 0.1730



29.8797, 0.3207, 0.1597



28.8556, 0.4290, 0.2455



18.3004, 0.3138, 0.3056



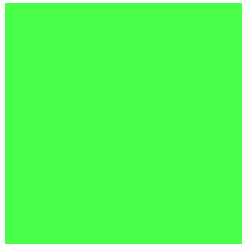
14.8798, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 73.4703, 0.3020, 0.5572 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 73.4703, 0.3020, 0.5572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

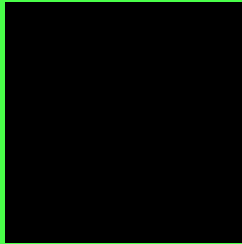
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4703, 0.3020, 0.5572

Background



This preview shows how black text looks on a background with the Yxy color 73.4703, 0.3020, 0.5572.



This preview shows how white text looks on a background with the Yxy color 73.4703, 0.3020, 0.5572.

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

73.4703, 0.3020, 0.5572

Protanopia

71.8687, 0.4274, 0.4713

Deuteranopia

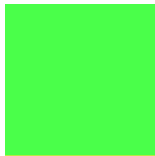
71.7534, 0.3862, 0.3887



Tritanopia

72.8567, 0.2458, 0.3079

Trichromacy



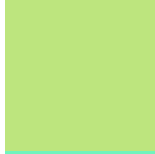
Original Color

73.4703, 0.3020, 0.5572



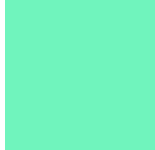
Protanomaly

68.8855, 0.3701, 0.5104



Deuteranomaly

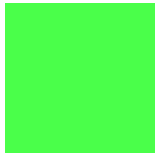
68.3638, 0.3488, 0.4519



Tritanomaly

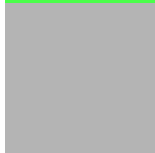
71.8202, 0.2686, 0.4001

Monochromacy



Original Color

73.4703, 0.3020, 0.5572



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2115, 0.3083, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4703, 0.3020, 0.5572 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(74, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 74)  
}
```

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(74, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 74) }
```

Border

The CSS property to change the border of an element to Yxy 73.4703, 0.3020, 0.5572 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(74, 255, 74) }
```

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

```
.border{ border-color:rgb(74, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4703, 0.3020, 0.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 74) }
```

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

```
.background{ background-color: rgb(74, 255,  
74) }
```

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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