

Converting Colors

$Y_{xy}(73.1380, 0.3078, 0.5767)$

Have a look what the booklet for
Yxy(73.1380, 0.3078, 0.5767)
contains.

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Color

Yxy(73.1731, 0.3079, 0.5766)

Conversions

Conversions Part 1

Format	Color
Hex	4AFF2E
RGB	74, 255, 46
RGB Percent	29%, 100%, 18%
CMY	0.7101, 0.0000, 0.8193
CMYK	0.71, 0.00, 0.82, 0.00
HSL	112°, 100%, 59%
HSV	112°, 82%, 100%
XYZ	39.0739, 73.1731, 14.6575
YIQ	177.0550, -40.7870, -103.3710

Conversions

Conversions Part 2

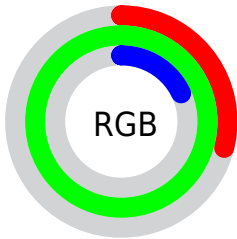
Format	Color
RYB	46, 255, 227
Decimal	4914990
CIELab	88.53, -78.78, 77.72
CIELCh	89, 110.668, 135.387
Yxy	73.1731, 0.3079, 0.5766
Android (android.graphics.Color)	4283105070 (0xFF4AFF2E)
YUV	177.0550, -64.6101, -90.3792
Hunter-Lab	85.5413, -68.1613, 49.7196

Details

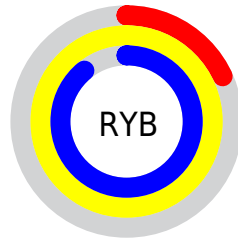
The Yxy color **73.1731, 0.3079, 0.5766** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.5398, 0.2931, 0.1475**, and the grayscale version is **44.3512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8707, 0.3224, 0.5020**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.2979, 0.3050, 0.5913**, and if you desaturate by 10%, it is **74.4706, 0.3105, 0.5539**.

Distribution



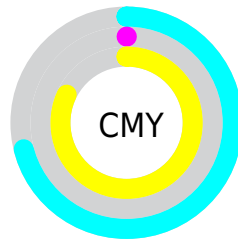
- Red (29%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1731, 0.3079, 0.5766 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 73.1731, 0.3079, 0.5766 by changing the saturation by 10% instead.


 73.1731, 0.3079,
0.5766


 73.1731, 0.3079,
0.5766


471.6145, 0.3212,
0.4544


 54.1175, 0.3015,
0.6043


 123.7229, 0.3152,
0.5339


 38.6956, 0.2918,
0.6376


 155.9859, 0.3172,
0.5172


 26.5230, 0.2769,
0.6776


 193.4202, 0.3186,
0.5029

 17.2153, 0.2547,
0.7277

 236.4102, 0.3196,
0.4906

 10.3881, 0.2183,
0.7817

 285.3402, 0.3203,
0.4798

 5.6571, 0.1630,
0.8370


340.5947, 0.3208,

 2.6377, 0.0100,


0.4703


0.9900


402.5580, 0.3211,
0.4619


 0.9456, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.1731, 0.3079,
0.5766


 73.1731, 0.3079,
0.5766


 72.2979, 0.3050,
0.5913

 74.4706, 0.3105,
0.5539


 71.8596, 0.3029,
0.5977


 76.2452, 0.3125,
0.5247


 78.5352, 0.3139,
0.4914


 81.3773, 0.3146,
0.4565

 84.8043, 0.3147,
0.4221

 88.8468, 0.3144,
0.3897

 93.5331, 0.3138,
0.3601

 98.8897, 0.3129,
0.3337

 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.



73.1731, 0.4196, 0.5404



73.1731, 0.3079, 0.5766



73.1731, 0.2026, 0.4812

Triad

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



73.1731, 0.3079, 0.5766



73.1731, 0.1266, 0.1614



73.1731, 0.5232, 0.2910

Complementary

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



73.1731, 0.3079, 0.5766



25.5398, 0.2931, 0.1475

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.



73.1731, 0.4023, 0.2232



73.1731, 0.3079, 0.5766



73.1731, 0.1756, 0.1529

Square

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



73.1731, 0.3079, 0.5766



73.1731, 0.1129, 0.2096



73.1731, 0.2688, 0.1744



73.1731, 0.5620, 0.3668

Rectangle

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



73.1731, 0.3079, 0.5766



73.1731, 0.1519, 0.3706



73.1731, 0.2688, 0.1744



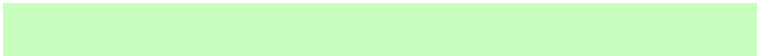
73.1731, 0.4894, 0.2671

Sweetspot

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



73.1707, 0.3079, 0.5766



87.5365, 0.3146, 0.3994



76.4758, 0.4343, 0.4797



18.4317, 0.3147, 0.4108



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.



73.1707, 0.3079, 0.5766



71.9507, 0.3034, 0.5963



73.5253, 0.2796, 0.5082



20.2841, 0.3136, 0.3534



37.5835, 0.3035, 0.5972



3.6935, 0.3091, 0.5928

Inverse Universe

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



25.5398, 0.2931, 0.1475



22.8146, 0.2875, 0.1363



26.4516, 0.4139, 0.2176



18.1705, 0.3117, 0.3054



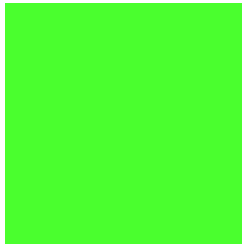
11.8551, 0.2874, 0.1357



1.1868, 0.2915, 0.1379

Previews

White Background



This preview shows how the Yxy color 73.1731, 0.3079, 0.5766 looks on a white background.

Color Contrast Check

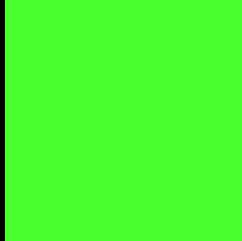
Large Text (above 18pt) WCAG AA × Fail

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 73.1731, 0.3079, 0.5766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

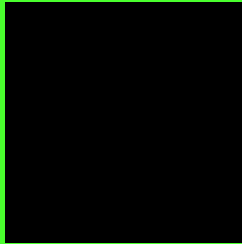
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1731, 0.3079, 0.5766

Background



This preview shows how black text looks on a background with the Yxy color 73.1731, 0.3079, 0.5766.

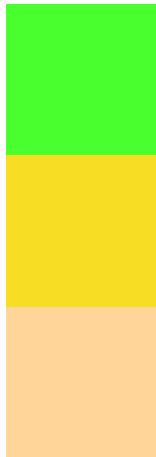


This preview shows how white text looks on a background with the Yxy color 73.1731, 0.3079, 0.5766.

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

73.1731, 0.3079, 0.5766

Protanopia

71.8029, 0.4359, 0.4822

Deuteranopia

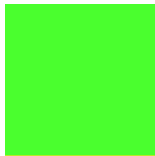
71.1484, 0.3888, 0.3908



Tritanopia

72.6939, 0.2450, 0.3079

Trichromacy



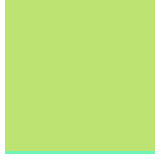
Original Color

73.1731, 0.3079, 0.5766



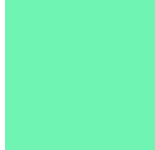
Protanomaly

68.7453, 0.3783, 0.5250



Deuteranomaly

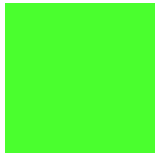
67.5205, 0.3558, 0.4640



Tritanomaly

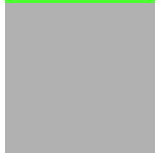
71.3355, 0.2730, 0.4140

Monochromacy



Original Color

73.1731, 0.3079, 0.5766



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.8231, 0.3154, 0.4378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1731, 0.3079, 0.5766 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 46) }
```

Border

The CSS property to change the border of an element to Yxy 73.1731, 0.3079, 0.5766 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, 46) }
```

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

```
.border{ border-color:rgb(74, 255, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1731, 0.3079, 0.5766 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, 46) }
```

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

```
.background{ background-color: rgb(74, 255,  
46) }
```

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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