

Converting Colors

$Y_{xy}(73.1069, 0.3056, 0.5730)$

Have a look what the booklet for
Yxy(73.1069, 0.3056, 0.5730)
contains.

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Color

Yxy(73.1259, 0.3056, 0.5726)

Conversions

Conversions Part 1

Format	Color
Hex	47FF36
RGB	71, 255, 54
RGB Percent	28%, 100%, 21%
CMY	0.7214, 0.0000, 0.7880
CMYK	0.72, 0.00, 0.79, 0.00
HSL	115°, 100%, 61%
HSV	115°, 79%, 100%
XYZ	39.0277, 73.1259, 15.5549
YIQ	177.0700, -45.1430, -101.5190

Conversions

Conversions Part 2

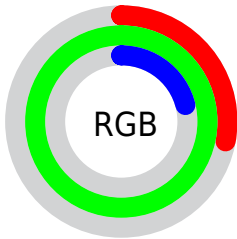
Format	Color
RYB	54, 255, 238
Decimal	4718390
CIELab	88.51, -78.83, 75.63
CIELCh	89, 109.246, 136.186
Yxy	73.1259, 0.3056, 0.5726
Android (android.graphics.Color)	4282908470 (0xFF47FF36)
YUV	177.0700, -60.6735, -93.0234
Hunter-Lab	85.5137, -68.1830, 49.0748

Details

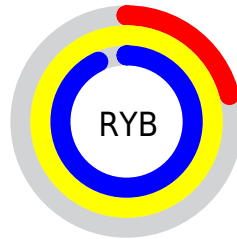
The Yxy color **73.1259, 0.3056, 0.5726** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.0461, 0.3038, 0.1560**, and the grayscale version is **44.3589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8007, 0.3193, 0.4973**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.2276, 0.3035, 0.5895**, and if you desaturate by 10%, it is **74.4930, 0.3077, 0.5477**.

Distribution



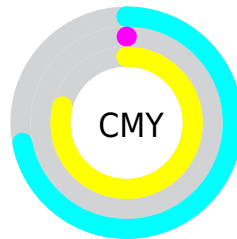
- Red (28%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1259, 0.3056, 0.5726 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 73.1259, 0.3056, 0.5726 by changing the saturation by 10% instead.

 73.1259, 0.3056,
0.5726


 73.1259, 0.3056,
0.5726


471.4510, 0.3194,
0.4520


 54.0789, 0.2992,
0.6002


 123.6559, 0.3129,
0.5302

 38.6648, 0.2897,
0.6336


 155.9078, 0.3150,
0.5138


 26.4990, 0.2751,
0.6738


 193.3300, 0.3165,
0.4997

 17.1973, 0.2529,
0.7235

 236.3070, 0.3175,
0.4875

 10.3753, 0.2180,
0.7820

 285.2233, 0.3183,
0.4769

 5.6485, 0.1627,
0.8373

340.4631, 0.3188,

 2.6325, 0.0087,

0.4676

0.9913

402.4109, 0.3192,
0.4593

0.9431, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.1259, 0.3056,
0.5726

73.1259, 0.3056,
0.5726

72.2276, 0.3035,
0.5895

74.4930, 0.3077,
0.5477


71.7252, 0.3016,
0.5981

76.3742, 0.3095,
0.5166


71.6854, 0.3014,
0.5989

78.8166, 0.3109,
0.4821

81.8604, 0.3119,
0.4466

 85.5418, 0.3125,
0.4123

 89.8944, 0.3128,
0.3803

 94.9492, 0.3128,
0.3516

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.



73.1259, 0.4165, 0.5406



73.1259, 0.3056, 0.5726



73.1259, 0.2017, 0.4749

Triad

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



73.1259, 0.3056, 0.5726



73.1259, 0.1290, 0.1623



73.1259, 0.5230, 0.2936

Complementary

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



73.1259, 0.3056, 0.5726



28.0461, 0.3038, 0.1560

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.



73.1259, 0.4050, 0.2259



73.1259, 0.3056, 0.5726



73.1259, 0.1788, 0.1546

Square

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



73.1259, 0.3056, 0.5726



73.1259, 0.1145, 0.2091



73.1259, 0.2725, 0.1767



73.1259, 0.5591, 0.3693

Rectangle

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



73.1259, 0.3056, 0.5726



73.1259, 0.1521, 0.3660



73.1259, 0.2725, 0.1767



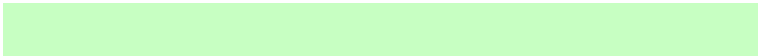
73.1259, 0.4903, 0.2698

Sweetspot

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



73.1281, 0.3056, 0.5726



87.5441, 0.3127, 0.3966



80.8902, 0.4266, 0.4820



18.4165, 0.3125, 0.4082



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.



73.1281, 0.3056, 0.5726



71.8753, 0.3022, 0.5957



74.0397, 0.2766, 0.4921



20.2414, 0.3128, 0.3535



37.4823, 0.3018, 0.5985



3.6734, 0.3058, 0.5954

Inverse Universe

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



28.0461, 0.3038, 0.1560



25.0846, 0.3004, 0.1441



26.9851, 0.4183, 0.2246



18.2177, 0.3124, 0.3055



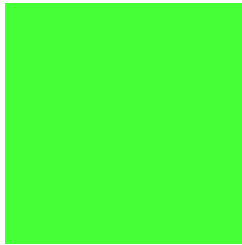
12.8974, 0.2997, 0.1425



1.2778, 0.3023, 0.1439

Previews

White Background



This preview shows how the Yxy color 73.1259, 0.3056, 0.5726 looks on a white background.

Color Contrast Check

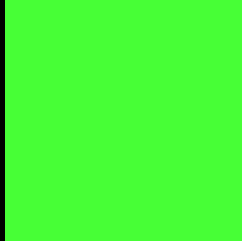
Large Text (above 18pt) WCAG AA × Fail

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 73.1259, 0.3056, 0.5726 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 73.1259, 0.3056, 0.5726

Background



This preview shows how black text looks on a background with the Yxy color 73.1259, 0.3056, 0.5726.

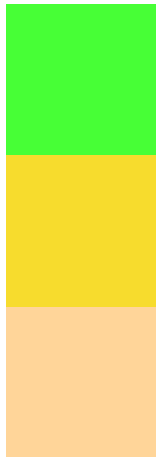


This preview shows how white text looks on a background with the Yxy color 73.1259, 0.3056, 0.5726.

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

73.1259, 0.3056, 0.5726

Protanopia

71.1500, 0.4341, 0.4795

Deuteranopia

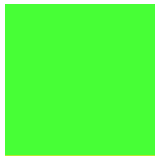
71.1484, 0.3888, 0.3908



Tritanopia

72.6137, 0.2446, 0.3078

Trichromacy



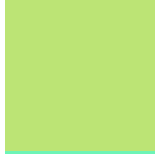
Original Color

73.1259, 0.3056, 0.5726



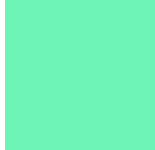
Protanomaly

68.5585, 0.3750, 0.5226



Deuteranomaly

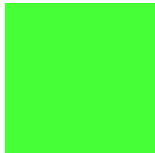
67.4625, 0.3534, 0.4612



Tritanomaly

71.3300, 0.2707, 0.4100

Monochromacy



Original Color

73.1259, 0.3056, 0.5726



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7319, 0.3120, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1259, 0.3056, 0.5726 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(71, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 54)  
}
```

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(71, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 54) }
```

Border

The CSS property to change the border of an element to Yxy 73.1259, 0.3056, 0.5726 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(71, 255, 54) }
```

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

```
.border{ border-color:rgb(71, 255, 54) }
```

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

Here you see how a box with a 4 pixel rgb(71, 255, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1259, 0.3056, 0.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 54) }
```

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

```
.background{ background-color: rgb(71, 255,  
54) }
```

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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