

Converting Colors

Yxy(74.3482, 0.3158, 0.5674)

Have a look what the booklet for
Yxy(74.3482, 0.3158, 0.5674)
contains.

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Color

Yxy(74.3557, 0.3159, 0.5674)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 62FF33 |
| RGB | 98, 255, 51 |
| RGB Percent | 38%, 100%, 20% |
| CMY | 0.6155, 0.0000, 0.8003 |
| CMYK | 0.62, 0.00, 0.80, 0.00 |
| HSL | 106°, 100%, 60% |
| HSV | 106°, 80%, 100% |
| XYZ | 41.3975, 74.3557, 15.2931 |
| YIQ | 184.8010, -28.0880, -96.7280 |

Conversions

Conversions Part 2

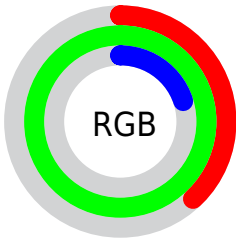
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 51, 255, 208 |
| Decimal | 6487859 |
| CIELab | 89.09, -73.97, 77.23 |
| CIELCh | 89, 106.936, 133.764 |
| Yxy | 74.3557, 0.3159, 0.5674 |
| Android (android.graphics.Color) | 4284677939 (0xFF62FF33) |
| YUV | 184.8010, -65.9639, -76.1245 |
| Hunter-Lab | 86.2298, -65.2070, 49.8456 |

Details

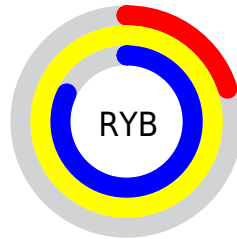
The Yxy color **74.3557, 0.3159, 0.5674** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **22.9737, 0.2743, 0.1394**, and the grayscale version is **48.7897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6274, 0.3312, 0.4935**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.2305, 0.3120, 0.5841**, and if you desaturate by 10%, it is **75.8760, 0.3188, 0.5435**.

Distribution



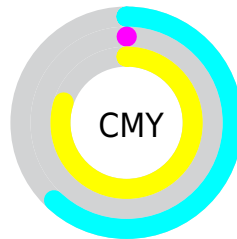
- Red (38%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3557, 0.3159, 0.5674 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 74.3557, 0.3159, 0.5674 by changing the saturation by 10% instead.


 74.3557, 0.3159,
0.5674

 74.3557, 0.3159,
0.5674


475.7001, 0.3250,
0.4507

 55.0852, 0.3106,
0.5937


 125.3999, 0.3216,
0.5267


 39.4700, 0.3024,
0.6253


 157.9424, 0.3230,
0.5109

 27.1255, 0.2894,
0.6632


 195.6777, 0.3240,
0.4972

 17.6675, 0.2694,
0.7098

 238.9902, 0.3245,
0.4854

 10.7115, 0.2368,
0.7632

 288.2643, 0.3248,
0.4750

 5.8732, 0.1843,
0.8157


343.8844, 0.3250,

 2.7681, 0.0683,


0.4659


0.9317


406.2349, 0.3250,
0.4579


 1.0119, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.3557, 0.3159,
0.5674


 74.3557, 0.3159,
0.5674


 73.2305, 0.3120,
0.5841


 75.8760, 0.3188,
0.5435

 72.4463, 0.3078,
0.5938


 77.8198, 0.3206,
0.5142

 80.2205, 0.3211,
0.4815

 83.1062, 0.3206,
0.4477

 86.5026, 0.3193,
0.4145

 90.4333, 0.3174,
0.3833

 94.9206, 0.3152,
0.3547

99.9856, 0.3127,
0.3291

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.



74.3557, 0.4242, 0.5309



74.3557, 0.3159, 0.5674



74.3557, 0.2120, 0.4823

Triad

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



74.3557, 0.3159, 0.5674



74.3557, 0.1299, 0.1678



74.3557, 0.5107, 0.2893

Complementary

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



74.3557, 0.3159, 0.5674



22.9737, 0.2743, 0.1394

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.



74.3557, 0.3919, 0.2234



74.3557, 0.3159, 0.5674



74.3557, 0.1761, 0.1572

Square

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



74.3557, 0.3159, 0.5674



74.3557, 0.1184, 0.2182



74.3557, 0.2646, 0.1768



74.3557, 0.5543, 0.3637

Rectangle

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



74.3557, 0.3159, 0.5674



74.3557, 0.1605, 0.3781



74.3557, 0.2646, 0.1768



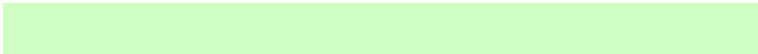
74.3557, 0.4768, 0.2660

Sweetspot

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



74.3581, 0.3159, 0.5674



88.8061, 0.3182, 0.3954



66.3104, 0.4490, 0.4634



18.7116, 0.3189, 0.4066



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.



74.3581, 0.3159, 0.5674



72.7261, 0.3095, 0.5905



73.2492, 0.2867, 0.5291



20.3705, 0.3151, 0.3533



37.9098, 0.3087, 0.5931



3.7379, 0.3161, 0.5872

Inverse Universe

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



22.9737, 0.2743, 0.1394



19.5113, 0.2644, 0.1241



27.8190, 0.3826, 0.2011



18.0765, 0.3101, 0.3053



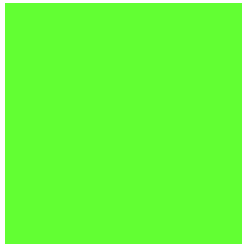
9.9837, 0.2629, 0.1222



1.0210, 0.2698, 0.1260

Previews

White Background



This preview shows how the Yxy color 74.3557, 0.3159, 0.5674 looks on a white background.

Color Contrast Check

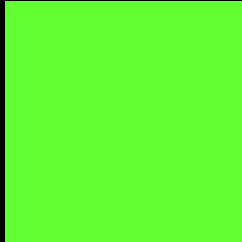
Large Text (above 18pt) WCAG AA × Fail

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 74.3557, 0.3159, 0.5674 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

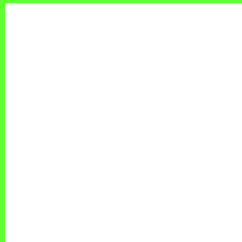
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3557, 0.3159, 0.5674

Background



This preview shows how black text looks on a background with the Yxy color 74.3557, 0.3159, 0.5674.



This preview shows how white text looks on a background with the Yxy color 74.3557, 0.3159, 0.5674.

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

74.3557, 0.3159, 0.5674

Protanopia

72.7337, 0.4355, 0.4802

Deuteranopia

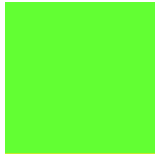
72.9098, 0.3826, 0.3866



Tritanopia

73.8081, 0.2506, 0.3082

Trichromacy



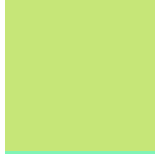
Original Color

74.3557, 0.3159, 0.5674



Protanomaly

70.6372, 0.3842, 0.5179



Deuteranomaly

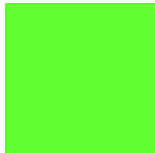
69.9555, 0.3586, 0.4563



Tritanomaly

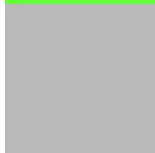
72.6268, 0.2796, 0.4095

Monochromacy



Original Color

74.3557, 0.3159, 0.5674



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6431, 0.3200, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3557, 0.3159, 0.5674 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(98, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(98, 255, 51)  
}
```

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(98, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 74.3557, 0.3159, 0.5674 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(98, 255, 51) }
```

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

```
.border{ border-color:rgb(98, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(98, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3557, 0.3159, 0.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 255, 51) }
```

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

```
.background{ background-color: rgb(98, 255,  
51) }
```

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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