

Converting Colors

$Y_{xy}(74.3196, 0.3108, 0.5576)$

Have a look what the booklet for
Yxy(74.3196, 0.3108, 0.5576)
contains.

Yxy(74.3049, 0.3108, 0.5580)	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(74.3049, 0.3108, 0.5580)

Conversions

Conversions Part 1

Format	Color
Hex	5EFF43
RGB	94, 255, 67
RGB Percent	37%, 100%, 26%
CMY	0.6315, 0.0000, 0.7372
CMYK	0.63, 0.00, 0.74, 0.00
HSL	111°, 100%, 63%
HSV	111°, 74%, 100%
XYZ	41.3870, 74.3049, 17.4710
YIQ	185.4290, -35.6080, -92.6000

Conversions

Conversions Part 2

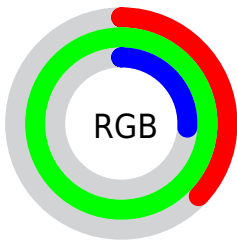
Format	Color
RYB	67, 255, 228
Decimal	6225731
CIELab	89.07, -73.90, 72.47
CIELCh	89, 103.501, 135.559
Yxy	74.3049, 0.3108, 0.5580
Android (android.graphics.Color)	4284415811 (0xFF5EFF43)
YUV	185.4290, -58.3855, -80.1832
Hunter-Lab	86.2003, -65.1480, 48.3234

Details

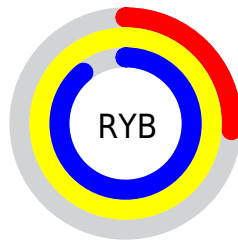
The Yxy color **74.3049, 0.3108, 0.5580** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **27.7346, 0.2941, 0.1567**, and the grayscale version is **49.1093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6034, 0.3242, 0.4819**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.0664, 0.3081, 0.5794**, and if you desaturate by 10%, it is **76.0019, 0.3130, 0.5299**.

Distribution



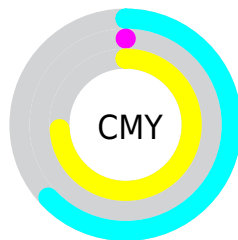
- Red (37%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3049, 0.3108, 0.5580 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 74.3049, 0.3108, 0.5580 by changing the saturation by 10% instead.


 74.3049, 0.3108,
0.5580


 74.3049, 0.3108,
0.5580


475.5250, 0.3210,
0.4450

 55.0436, 0.3057,
0.5840


 125.3279, 0.3165,
0.5183


 39.4367, 0.2978,
0.6155


 157.8585, 0.3181,
0.5029


 27.0996, 0.2855,
0.6538


 195.5809, 0.3192,
0.4897

 17.6480, 0.2660,
0.7004

 238.8796, 0.3199,
0.4783

 10.6976, 0.2369,
0.7631

 288.1390, 0.3204,
0.4684

 5.8639, 0.1844,
0.8156

343.7434, 0.3207,

 2.7625, 0.0682,

0.4597

0.9318

406.0773, 0.3209,
0.4519

■ 1.0090, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.3049, 0.3108,
0.5580

■ 74.3049, 0.3108,
0.5580

■ 73.0664, 0.3081,
0.5794

■ 76.0019, 0.3130,
0.5299


■ 72.2429, 0.3050,
0.5926

■ 78.2022, 0.3144,
0.4972

■ 71.9055, 0.3033,
0.5974


■ 80.9406, 0.3152,
0.4625

■ 84.2499, 0.3153,
0.4280

 88.1601, 0.3149,
0.3953

 92.6993, 0.3141,
0.3652

 97.8937, 0.3131,
0.3382

 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.



74.3049, 0.4170, 0.5305



74.3049, 0.3108, 0.5580



74.3049, 0.2102, 0.4683

Triad

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



74.3049, 0.3108, 0.5580



74.3049, 0.1356, 0.1701



74.3049, 0.5097, 0.2952

Complementary

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



74.3049, 0.3108, 0.5580



27.7346, 0.2941, 0.1567

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.



74.3049, 0.3976, 0.2296



74.3049, 0.3108, 0.5580



74.3049, 0.1834, 0.1614

Square

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



74.3049, 0.3108, 0.5580



74.3049, 0.1224, 0.2173



74.3049, 0.2728, 0.1824



74.3049, 0.5475, 0.3691

Rectangle

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



74.3049, 0.3108, 0.5580



74.3049, 0.1612, 0.3679



74.3049, 0.2728, 0.1824



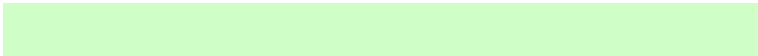
74.3049, 0.4782, 0.2721

Sweetspot

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



74.3035, 0.3108, 0.5580



88.8966, 0.3148, 0.3899



76.4947, 0.4285, 0.4705



18.7812, 0.3149, 0.3984



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.



74.3035, 0.3108, 0.5580



72.6666, 0.3068, 0.5860



74.4016, 0.2802, 0.4929



20.2931, 0.3137, 0.3534



37.6097, 0.3039, 0.5969



3.6977, 0.3097, 0.5923

Inverse Universe

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



27.7346, 0.2941, 0.1567



23.8373, 0.2887, 0.1407



28.9580, 0.3959, 0.2186



18.1606, 0.3115, 0.3054



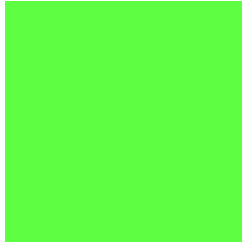
11.6457, 0.2848, 0.1343



1.1685, 0.2892, 0.1367

Previews

White Background



This preview shows how the Yxy color 74.3049, 0.3108, 0.5580 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 74.3049, 0.3108, 0.5580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

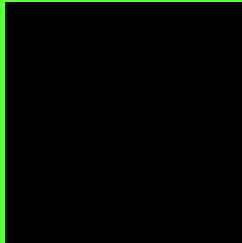
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3049, 0.3108, 0.5580

Background



This preview shows how black text looks on a background with the Yxy color 74.3049, 0.3108, 0.5580.

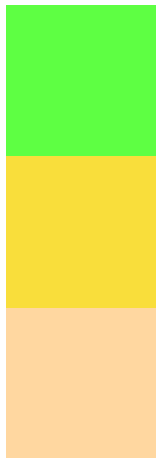


This preview shows how white text looks on a background with the Yxy color 74.3049, 0.3108, 0.5580.

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

74.3049, 0.3108, 0.5580

Protanopia

72.6981, 0.4302, 0.4740

Deuteranopia

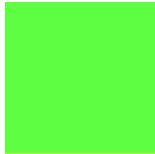
72.3989, 0.3829, 0.3857



Tritanopia

73.7177, 0.2501, 0.3081

Trichromacy



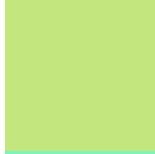
Original Color

74.3049, 0.3108, 0.5580



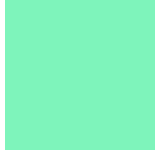
Protanomaly

70.5309, 0.3782, 0.5102



Deuteranomaly

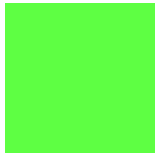
69.8357, 0.3537, 0.4506



Tritanomaly

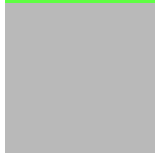
72.7248, 0.2757, 0.4016

Monochromacy



Original Color

74.3049, 0.3108, 0.5580



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.7216, 0.3154, 0.4222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3049, 0.3108, 0.5580 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(94, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 67)  
}
```

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(94, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 67) }
```

Border

The CSS property to change the border of an element to Yxy 74.3049, 0.3108, 0.5580 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(94, 255, 67) }
```

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

```
.border{ border-color:rgb(94, 255, 67) }
```

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

Here you see how a box with a 4 pixel rgb(94, 255, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3049, 0.3108, 0.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 67) }
```

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

```
.background{ background-color: rgb(94, 255,  
67) }
```

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