

Converting Colors

$Y_{xy}(74.4501, 0.3066, 0.5461)$

Have a look what the booklet for
Yxy(74.4501, 0.3066, 0.5461)
contains.

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Color

Yxy(74.4564, 0.3064, 0.5458)

Conversions

Conversions Part 1

Format	Color
Hex	5DFF52
RGB	93, 255, 82
RGB Percent	36%, 100%, 32%
CMY	0.6353, 0.0000, 0.6782
CMYK	0.64, 0.00, 0.68, 0.00
HSL	116°, 100%, 66%
HSV	116°, 68%, 100%
XYZ	41.7982, 74.4564, 20.1624
YIQ	186.8400, -41.0190, -88.1470

Conversions

Conversions Part 2

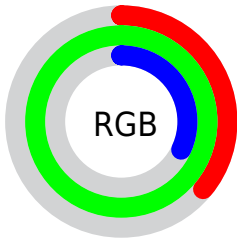
Format	Color
RYB	82, 255, 244
Decimal	6160210
CIELab	89.14, -72.95, 67.28
CIELCh	89, 99.238, 137.318
Yxy	74.4564, 0.3064, 0.5458
Android (android.graphics.Color)	4284350290 (0xFF5DFF52)
YUV	186.8400, -51.6861, -82.2977
Hunter-Lab	86.2881, -64.5384, 46.5477

Details

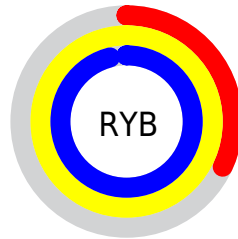
The Yxy color **74.4564, 0.3064, 0.5458** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **32.5099, 0.3095, 0.1723**, and the grayscale version is **49.9154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7550, 0.3170, 0.4679**, and **39.9500, 0.2993, 0.5976** is the 20% darker color. If you saturate the color by 10%, you get **73.0800, 0.3045, 0.5714**, and if you desaturate by 10%, it is **76.3669, 0.3081, 0.5142**.

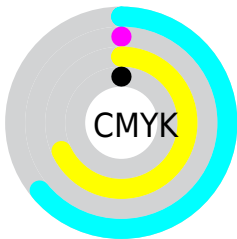
Distribution



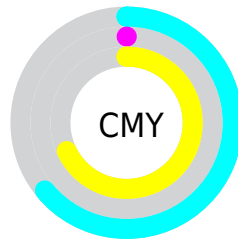
- Red (36%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (96%)



- Cyan (64%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4564, 0.3064, 0.5458 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 74.4564, 0.3064, 0.5458 by changing the saturation by 10% instead.


 74.4564, 0.3064,
0.5458


 74.4564, 0.3064,
0.5458


476.0471, 0.3173,
0.4383

 55.1677, 0.3015,
0.5709


 125.5426, 0.3121,
0.5077


 39.5360, 0.2941,
0.6017

 158.1088, 0.3137,
0.4931

 27.1769, 0.2828,
0.6398


 195.8697, 0.3149,
0.4806

 17.7062, 0.2648,
0.6870

 239.2095, 0.3157,
0.4698

 10.7392, 0.2401,
0.7589

288.5128, 0.3163,
0.4604

 5.8918, 0.1884,
0.8116

344.1639, 0.3168,

 2.7794, 0.0773,

0.4521

0.9227

406.5472, 0.3171,
0.4448

■ 1.0177, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.4564, 0.3064,
0.5458

■ 74.4564, 0.3064,
0.5458

■ 73.0800, 0.3045,
0.5714

■ 76.3669, 0.3081,
0.5142

■ 72.1820, 0.3027,
0.5890


■ 78.8575, 0.3096,
0.4792


■ 71.6952, 0.3011,
0.5980

■ 81.9705, 0.3108,
0.4436

■ 71.6312, 0.3010,
0.5992

■ 85.7440, 0.3116,
0.4092

 90.2129, 0.3122,
0.3775

 95.4098, 0.3126,
0.3489

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.



74.4564, 0.4098, 0.5277



74.4564, 0.3064, 0.5458



74.4564, 0.2097, 0.4538

Triad

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



74.4564, 0.3064, 0.5458



74.4564, 0.1426, 0.1739



74.4564, 0.5062, 0.3013

Complementary

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



74.4564, 0.3064, 0.5458



32.5099, 0.3095, 0.1723

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.



74.4564, 0.4017, 0.2364



74.4564, 0.3064, 0.5458



74.4564, 0.1917, 0.1669

Square

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



74.4564, 0.3064, 0.5458



74.4564, 0.1279, 0.2178



74.4564, 0.2809, 0.1889



74.4564, 0.5388, 0.3742

Rectangle

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



74.4564, 0.3064, 0.5458



74.4564, 0.1635, 0.3586



74.4564, 0.2809, 0.1889



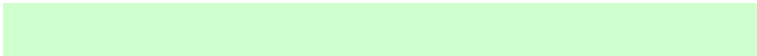
74.4564, 0.4774, 0.2785

Sweetspot

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



74.4568, 0.3064, 0.5458



89.1771, 0.3121, 0.3841



86.2535, 0.4121, 0.4742



18.8127, 0.3119, 0.3929



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.



74.4568, 0.3064, 0.5458



72.7452, 0.3039, 0.5779



75.7510, 0.2744, 0.4585



20.2229, 0.3125, 0.3535



37.4495, 0.3013, 0.5990



3.6647, 0.3044, 0.5965

Inverse Universe

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



32.5099, 0.3095, 0.1723



28.2389, 0.3077, 0.1559



30.6017, 0.4056, 0.2364



18.2385, 0.3128, 0.3055



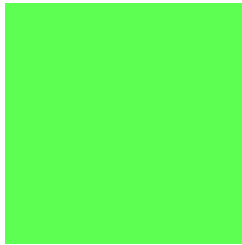
13.3760, 0.3051, 0.1454



1.3193, 0.3070, 0.1465

Previews

White Background



This preview shows how the Yxy color 74.4564, 0.3064, 0.5458 looks on a white background.

Color Contrast Check

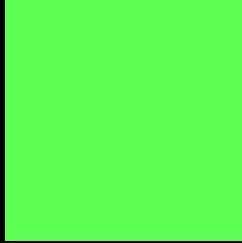
Large Text (above 18pt) WCAG AA × Fail

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 74.4564, 0.3064, 0.5458 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 74.4564, 0.3064, 0.5458

Background



This preview shows how black text looks on a background with the Yxy color 74.4564, 0.3064, 0.5458.



This preview shows how white text looks on a background with the Yxy color 74.4564, 0.3064, 0.5458.

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

74.4564, 0.3064, 0.5458

Protanopia

72.6800, 0.4245, 0.4672

Deuteranopia

72.9804, 0.3811, 0.3846



Tritanopia

73.7177, 0.2501, 0.3081

Trichromacy



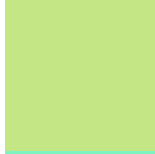
Original Color

74.4564, 0.3064, 0.5458



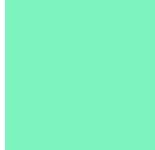
Protanomaly

70.5739, 0.3728, 0.5015



Deuteranomaly

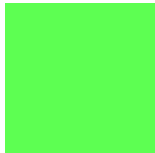
70.0228, 0.3497, 0.4429



Tritanomaly

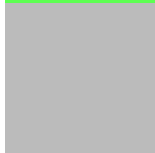
72.8671, 0.2728, 0.3950

Monochromacy



Original Color

74.4564, 0.3064, 0.5458



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.0292, 0.3115, 0.4145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4564, 0.3064, 0.5458 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(93, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 82)  
}
```

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(93, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 82) }
```

Border

The CSS property to change the border of an element to Yxy 74.4564, 0.3064, 0.5458 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(93, 255, 82) }
```

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

```
.border{ border-color:rgb(93, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4564, 0.3064, 0.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 82) }
```

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

```
.background{ background-color: rgb(93, 255,  
82) }
```

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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