

# Converting Colors

$Y_{xy}(74.3523, 0.3544, 0.5122)$

Have a look what the booklet for  
Yxy(74.3523, 0.3544, 0.5122)  
contains.

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**Color**

**Yxy(74.4094, 0.3544, 0.5119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFF451
RGB	175, 244, 81
RGB Percent	69%, 96%, 32%
CMY	0.3137, 0.0431, 0.6823
CMYK	0.28, 0.00, 0.67, 0.04
HSL	85°, 88%, 64%
HSV	85°, 67%, 96%
XYZ	51.5153, 74.4094, 19.4345
YIQ	204.7870, 11.1990, -65.3210

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 244, 150
Decimal	11531345
CIELab	89.12, -45.42, 68.63
CIElCh	89, 82.296, 123.499
Yxy	74.4094, 0.3544, 0.5119
Android (android.graphics.Color)	4289721425 (0xFFAFF451)
YUV	204.7870, -61.0270, -26.1232
Hunter-Lab	86.2609, -44.3557, 47.0246

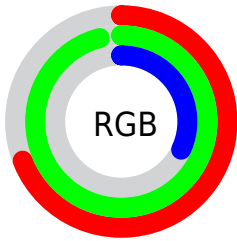
# Details

The Yxy color **74.4094, 0.3544, 0.5119** is a light color, and the websafe version is hex **CCFF66**.

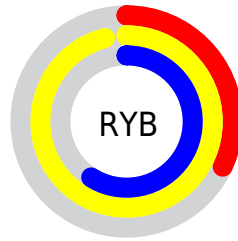
The color can be described as light muted chartreuse. A complement of this color would be **18.9061, 0.2303, 0.1367**, and the grayscale version is **61.3006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8474, 0.3663, 0.4480**, and **39.3379, 0.3544, 0.5544** is the 20% darker color. If you saturate the color by 10%, you get **72.9599, 0.3547, 0.5332**, and if you desaturate by 10%, it is **76.0884, 0.3518, 0.4866**.

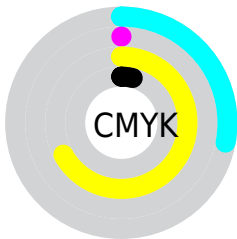
# Distribution



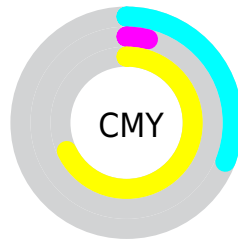
- Red (69%)
- Green (96%)
- Blue (32%)



- Red (32%)
- Yellow (96%)
- Blue (59%)



- Cyan (28%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)




- Cyan (31%)
- Magenta (4%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4094, 0.3544, 0.5119 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 74.4094, 0.3544, 0.5119 by changing the saturation by 10% instead.




 74.4094, 0.3544,  
0.5119

 74.4094, 0.3544,  
0.5119


475.8851, 0.3418,  
0.4248


 55.1292, 0.3550,  
0.5312


 125.4760, 0.3518,  
0.4819


 39.5052, 0.3545,  
0.5544

 158.0312, 0.3502,  
0.4701

 27.1529, 0.3517,  
0.5824


 195.7801, 0.3487,  
0.4599

 17.6881, 0.3447,  
0.6159

 239.1072, 0.3472,  
0.4511

 10.7263, 0.3346,  
0.6654

288.3968, 0.3457,  
0.4433

 5.8831, 0.2997,  
0.7003

344.0335, 0.3443,

 2.7741, 0.2458,

0.4364

0.7542

406.4014, 0.3431,  
0.4303

■ 1.0150, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 74.4094, 0.3544,  
0.5119

■ 74.4094, 0.3544,  
0.5119

■ 72.9599, 0.3547,  
0.5332

■ 76.0884, 0.3518,  
0.4866

■ 71.7131, 0.3525,  
0.5494


■ 78.0017, 0.3472,  
0.4587

■ 70.6515, 0.3481,  
0.5603


■ 80.1655, 0.3411,  
0.4296


■ 70.3406, 0.3465,  
0.5631

■ 82.5919, 0.3339,  
0.4005

 85.2919, 0.3262,  
0.3724

 88.2757, 0.3182,  
0.3459

 91.5530, 0.3102,  
0.3214

 93.1845, 0.3132,  
0.3185

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4094, 0.4383, 0.4768



74.4094, 0.3544, 0.5119



74.4094, 0.2645, 0.4739

# Triad

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



74.4094, 0.3544, 0.5119



74.4094, 0.1548, 0.2098



74.4094, 0.4392, 0.2803

# Complementary

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



74.4094, 0.3544, 0.5119



18.9061, 0.2303, 0.1367

# 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.



74.4094, 0.3404, 0.2279



74.4094, 0.3544, 0.5119



74.4094, 0.1845, 0.1878

# Square

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



74.4094, 0.3544, 0.5119



74.4094, 0.1565, 0.2695



74.4094, 0.2473, 0.1953



74.4094, 0.4988, 0.3437



# Rectangle

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



74.4094, 0.3544, 0.5119



74.4094, 0.2133, 0.4077



74.4094, 0.2473, 0.1953



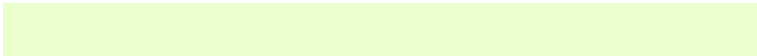
74.4094, 0.4083, 0.2612

# Sweetspot

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



74.4127, 0.3544, 0.5119



93.2719, 0.3287, 0.3814



41.3011, 0.4764, 0.3972



19.7834, 0.3309, 0.3893



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.



74.4127, 0.3544, 0.5119



80.1530, 0.3542, 0.5393



67.7104, 0.3080, 0.5414



18.9438, 0.3203, 0.3528



38.3277, 0.3476, 0.5622



3.4291, 0.3562, 0.5553



# Inverse Universe

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



18.9061, 0.2303, 0.1367



14.9374, 0.2108, 0.1063



29.3127, 0.3064, 0.1726



16.2696, 0.3046, 0.3050



5.2058, 0.1883, 0.0811

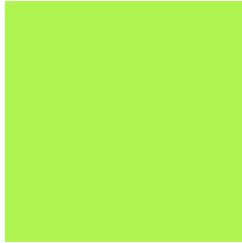


0.5167, 0.2022, 0.0888



# Previews

## White Background



This preview shows how the Yxy color 74.4094, 0.3544, 0.5119 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 74.4094, 0.3544, 0.5119 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

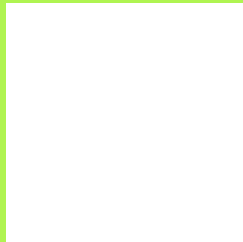
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4094, 0.3544, 0.5119**

## Background



This preview shows how black text looks on a background with the Yxy color 74.4094, 0.3544, 0.5119.



This preview shows how white text looks on a background with the Yxy color 74.4094, 0.3544, 0.5119.

# 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

74.4094, 0.3544, 0.5119

### Protanopia

73.4231, 0.4238, 0.4663

### Deuteranopia

73.6023, 0.3786, 0.3825



## Tritanopia

73.8764, 0.2810, 0.3092

# Trichromacy



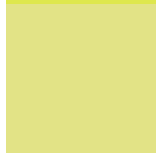
## Original Color

74.4094, 0.3544, 0.5119



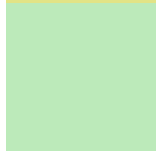
## Protanomaly

73.2172, 0.3970, 0.4841



## Deuteranomaly

72.8282, 0.3730, 0.4303



## Tritanomaly

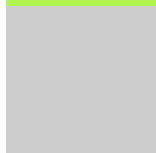
73.0822, 0.3114, 0.3855

# Monochromacy



## Original Color

74.4094, 0.3544, 0.5119



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

64.6704, 0.3339, 0.4005

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4094, 0.3544, 0.5119 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(175, 244, 81)` looks like.

```
.text, #text, p{  
    color:rgb(175, 244, 81)  
}
```

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(175, 244, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 244, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4094, 0.3544, 0.5119 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(175, 244, 81) }
```

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

```
.border{ border-color:rgb(175, 244, 81) }
```

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

Here you see how a box with a 4 pixel rgb(175, 244, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 244, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 244, 81);  
box-shadow:4px 4px 4px 4px rgb(175, 244,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4094, 0.3544, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 244, 81) }
```

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

```
.background{ background-color: rgb(175,  
244, 81) }
```

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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