

# Converting Colors

$Yxy(74.7055, 0.3543, 0.4162)$

Have a look what the booklet for  
Yxy(74.7055, 0.3543, 0.4162)  
contains.

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# Color

**Yxy(74.5118, 0.3545, 0.4158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE799
RGB	219, 231, 153
RGB Percent	86%, 91%, 60%
CMY	0.1414, 0.0940, 0.4001
CMYK	0.05, 0.00, 0.34, 0.09
HSL	69°, 62%, 75%
HSV	69°, 34%, 91%
XYZ	63.5268, 74.5118, 41.1625
YIQ	218.5200, 17.8860, -26.8020

# Conversions

## Conversions Part 2

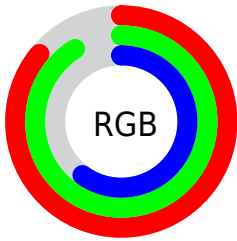
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 231, 165
Decimal	14411673
CIELab	89.16, -16.13, 36.70
CIELCh	89, 40.091, 113.724
Yxy	74.5118, 0.3545, 0.4158
Android (android.graphics.Color)	4292601753 (0xFFDBE799)
YUV	218.5200, -32.3014, 0.4210
Hunter-Lab	86.3202, -19.6945, 32.1512

# Details

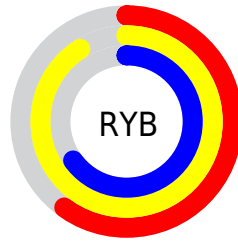
The Yxy color **74.5118, 0.3545, 0.4158** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.5525, 0.2610, 0.2308**, and the grayscale version is **70.7030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **39.3861, 0.3628, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **73.2762, 0.3658, 0.4413**, and if you desaturate by 10%, it is **75.9138, 0.3423, 0.3895**.

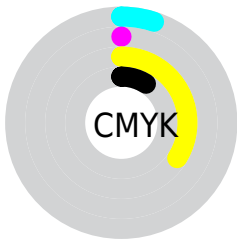
# Distribution



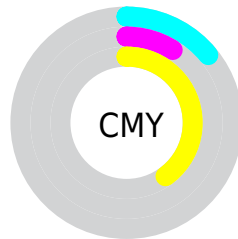
- Red (86%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)




- Cyan (14%)
- Magenta (9%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5118, 0.3545, 0.4158 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 74.5118, 0.3545, 0.4158 by changing the saturation by 10% instead.





 74.5118, 0.3545,  
0.4158


 74.5118, 0.3545,  
0.4158


476.2379, 0.3363,  
0.3750

 55.2130, 0.3583,  
0.4252

 125.6211, 0.3485,  
0.4016

 39.5723, 0.3627,  
0.4367

 158.2003, 0.3460,  
0.3961

 27.2052, 0.3679,  
0.4512


195.9752, 0.3439,  
0.3913

 17.7274, 0.3740,  
0.4699

239.3301, 0.3420,  
0.3872

 10.7545, 0.3807,  
0.4946

288.6495, 0.3404,  
0.3836

 5.9020, 0.3871,  
0.5280

344.3176, 0.3389,

 2.7856, 0.4041,

0.3804

0.5959

406.7189, 0.3375,  
0.3775

■ 1.0208, 0.3585,  
0.6415

■ 0.0000, 0.0000,  
0.0000

■ 74.5118, 0.3545,  
0.4158

■ 74.5118, 0.3545,  
0.4158

■ 73.2762, 0.3658,  
0.4413

■ 75.9138, 0.3423,  
0.3895

■ 72.1883, 0.3757,  
0.4651

■ 77.4800, 0.3298,  
0.3634

■ 71.2419, 0.3837,  
0.4860

■ 79.2212, 0.3173,  
0.3382

■ 70.4263, 0.3893,  
0.5031


■ 81.1444, 0.3053,  
0.3143

 69.7293, 0.3922,  
0.5157


 82.3563, 0.3018,  
0.3050

 69.1357, 0.3926,  
0.5237

 82.9768, 0.3041,  
0.3051

 68.8041, 0.3919,  
0.5270

 83.6097, 0.3065,  
0.3053

 84.2550, 0.3088,  
0.3055

 84.9128, 0.3112,  
0.3057

# Harmonies

## Analogous

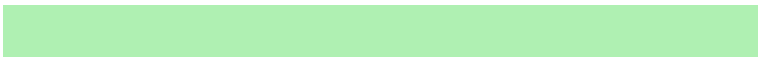
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5118, 0.3920, 0.4007



74.5118, 0.3545, 0.4158



74.5118, 0.3074, 0.4038

# Triad

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



74.5118, 0.3545, 0.4158



74.5118, 0.2253, 0.2786



74.5118, 0.3606, 0.2947

# Complementary

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



74.5118, 0.3545, 0.4158



36.5525, 0.2610, 0.2308

# Split Complementary

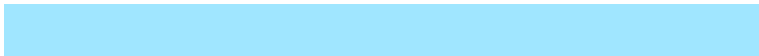
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5118, 0.3122, 0.2672



74.5118, 0.3545, 0.4158



74.5118, 0.2368, 0.2565

# Square

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



74.5118, 0.3545, 0.4158



74.5118, 0.2347, 0.3181



74.5118, 0.2673, 0.2533



74.5118, 0.3970, 0.3307



# Rectangle

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



74.5118, 0.3545, 0.4158



74.5118, 0.2773, 0.3807



74.5118, 0.2673, 0.2533



74.5118, 0.3450, 0.2843

# Sweetspot

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



74.5151, 0.3545, 0.4158



97.7248, 0.3251, 0.3539



46.0897, 0.3875, 0.3427



20.8526, 0.3269, 0.3575



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.



74.5151, 0.3545, 0.4158



92.0576, 0.3630, 0.4349



69.2016, 0.3263, 0.4243



16.6984, 0.3244, 0.3524



38.6091, 0.3924, 0.5267



2.8837, 0.3965, 0.5234



# Inverse Universe

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



36.5525, 0.2610, 0.2308



37.3508, 0.2470, 0.2056



41.3436, 0.2929, 0.2391



13.9936, 0.3004, 0.3049



3.4759, 0.1566, 0.0636

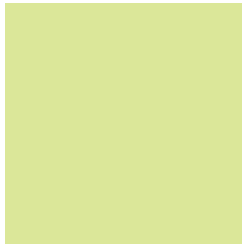


0.2899, 0.1683, 0.0701



# Previews

## White Background



This preview shows how the Yxy color 74.5118, 0.3545, 0.4158 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 74.5118, 0.3545, 0.4158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

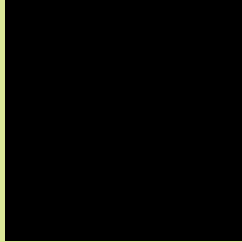
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

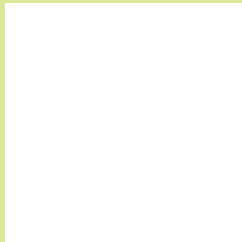
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5118, 0.3545, 0.4158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5118, 0.3545, 0.4158.



This preview shows how white text looks on a background with the Yxy color 74.5118, 0.3545, 0.4158.

# 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

74.5118, 0.3545, 0.4158

### Protanopia

74.5680, 0.3771, 0.4068

### Deuteranopia

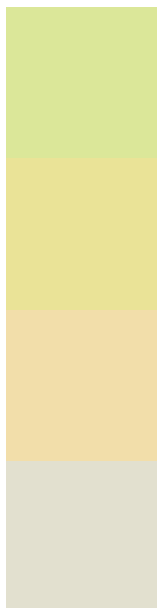
74.1404, 0.3684, 0.3682



## Tritanopia

74.1824, 0.3080, 0.3102

# Trichromacy



## Original Color

74.5118, 0.3545, 0.4158

## Protanomaly

74.6650, 0.3684, 0.4107

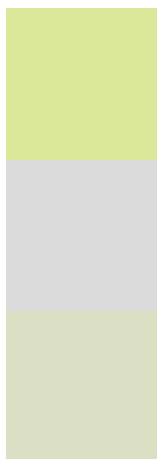
## Deuteranomaly

74.0221, 0.3633, 0.3842

## Tritanomaly

73.9851, 0.3254, 0.3475

# Monochromacy



## Original Color

74.5118, 0.3545, 0.4158

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.7756, 0.3285, 0.3602

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5118, 0.3545, 0.4158 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(219, 231, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 231, 153)  
}
```

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(219, 231, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 231, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5118, 0.3545, 0.4158 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(219, 231, 153) }
```

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

```
.border{ border-color:rgb(219, 231, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 231, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 231, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 231, 153);  
box-shadow:4px 4px 4px 4px rgb(219, 231,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5118, 0.3545, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 231, 153) }
```

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

```
.background{ background-color: rgb(219,  
231, 153) }
```

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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