

# Converting Colors

$Yxy(78.4074, 0.3721, 0.4318)$

Have a look what the booklet for  
Yxy(78.4074, 0.3721, 0.4318)  
contains.

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# Color

**Yxy(78.4074, 0.3721, 0.4318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EB8A
RGB	232, 235, 138
RGB Percent	91%, 92%, 54%
CMY	0.0903, 0.0784, 0.4589
CMYK	0.01, 0.00, 0.41, 0.08
HSL	62°, 71%, 73%
HSV	62°, 41%, 92%
XYZ	67.5669, 78.4074, 35.6084
YIQ	223.0450, 29.3490, -30.8030

# Conversions

## Conversions Part 2

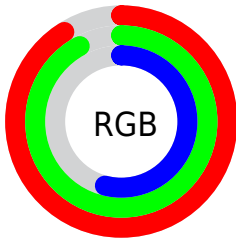
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 235, 141
Decimal	15264650
CIE <sub>Lab</sub>	90.97, -14.82, 46.63
CIE <sub>LCh</sub>	91, 48.928, 107.629
Yxy	78.4074, 0.3721, 0.4318
Android (android.graphics.Color)	4293454730 (0xFFE8EB8A)
YUV	223.0450, -41.9272, 7.8535
Hunter-Lab	88.5480, -18.7537, 38.1409

# Details

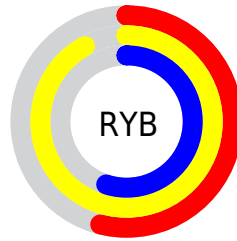
The Yxy color **78.4074, 0.3721, 0.4318** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.8340, 0.2379, 0.2024**, and the grayscale version is **74.1117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **42.0260, 0.3833, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **77.6795, 0.3847, 0.4541**, and if you desaturate by 10%, it is **79.2903, 0.3582, 0.4075**.

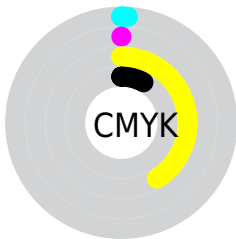
# Distribution



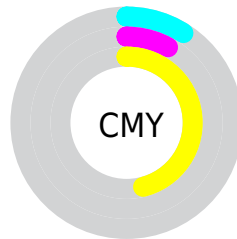
- Red (91%)
- Green (92%)
- Blue (54%)



- Red (54%)
- Yellow (92%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (41%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4074, 0.3721, 0.4318 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 78.4074, 0.3721, 0.4318 by changing the saturation by 10% instead.





 78.4074, 0.3721,  
0.4318


 78.4074, 0.3721,  
0.4318

489.5493, 0.3467,  
0.3845


 58.4087, 0.3772,  
0.4423


 131.1243, 0.3638,  
0.4156

 42.1373, 0.3831,  
0.4549


 164.6112, 0.3604,  
0.4093

 29.2088, 0.3898,  
0.4704


 203.3631, 0.3574,  
0.4037

 19.2389, 0.3974,  
0.4897

247.7642, 0.3548,  
0.3989

 11.8430, 0.4052,  
0.5138

298.1990, 0.3524,  
0.3947

 6.6369, 0.4140,  
0.5471

355.0518, 0.3503,

 3.2361, 0.4149,

0.3909

0.5851

418.7071, 0.3484,  
0.3875

■ 1.2562, 0.3867,  
0.6133

■ 0.1069, 0.0000,  
1.0000

■ 78.4074, 0.3721,  
0.4318

■ 78.4074, 0.3721,  
0.4318

■ 77.6795, 0.3847,  
0.4541

■ 79.2903, 0.3582,  
0.4075

■ 77.0861, 0.3954,  
0.4733


■ 80.3261, 0.3437,  
0.3823


■ 76.6203, 0.4038,  
0.4888

■ 81.5264, 0.3290,  
0.3569

■ 76.2696, 0.4096,  
0.4999

■ 82.8989, 0.3145,  
0.3321

 76.0192, 0.4128,  
0.5066

 84.4191, 0.3010,  
0.3090

 75.8621, 0.4138,  
0.5096

 84.5452, 0.3015,  
0.3090

 84.6718, 0.3019,  
0.3090

 84.7989, 0.3024,  
0.3091

 84.9265, 0.3029,  
0.3091

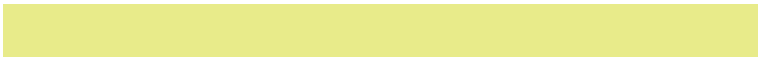
# Harmonies

## Analogous

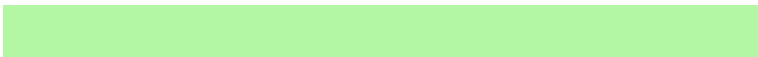
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4074, 0.4134, 0.4066



78.4074, 0.3721, 0.4318



78.4074, 0.3170, 0.4261

# Triad

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



78.4074, 0.3721, 0.4318



78.4074, 0.2100, 0.2760



78.4074, 0.3586, 0.2807

# Complementary

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



78.4074, 0.3721, 0.4318



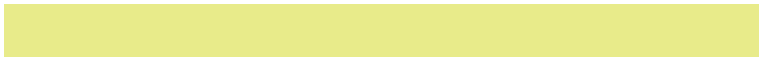
29.8340, 0.2379, 0.2024

# 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.



78.4074, 0.2998, 0.2515



78.4074, 0.3721, 0.4318



78.4074, 0.2185, 0.2463

# Square

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



78.4074, 0.3721, 0.4318



78.4074, 0.2253, 0.3265



78.4074, 0.2496, 0.2389

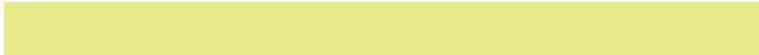


78.4074, 0.4073, 0.3209



# Rectangle

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



78.4074, 0.3721, 0.4318



78.4074, 0.2802, 0.4019



78.4074, 0.2496, 0.2389



78.4074, 0.3391, 0.2694

# Sweetspot

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



78.4110, 0.3721, 0.4318



98.0022, 0.3301, 0.3588



38.1371, 0.4183, 0.3311



20.9339, 0.3320, 0.3621



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.



78.4110, 0.3721, 0.4318



93.5756, 0.3834, 0.4518



71.5587, 0.3375, 0.4450



17.6015, 0.3263, 0.3523



42.2258, 0.4139, 0.5096



3.3233, 0.4147, 0.5089



# Inverse Universe

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



29.8340, 0.2379, 0.2024



27.3931, 0.2188, 0.1706



34.8755, 0.2757, 0.2144



14.5714, 0.2985, 0.3047



3.3749, 0.1510, 0.0605

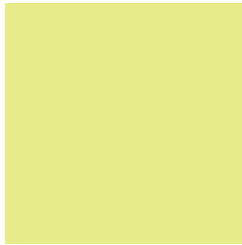


0.2730, 0.1537, 0.0620



# Previews

## White Background



This preview shows how the Yxy color 78.4074, 0.3721, 0.4318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

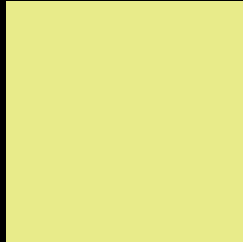
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4074, 0.3721, 0.4318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

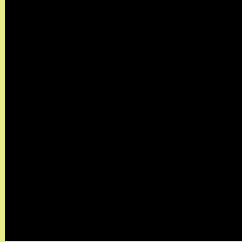
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.4074, 0.3721, 0.4318**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4074, 0.3721, 0.4318.

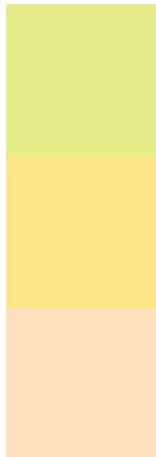


This preview shows how white text looks on a background with the Yxy color 78.4074, 0.3721, 0.4318.

# 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

78.4074, 0.3721, 0.4318

### Protanopia

78.3254, 0.3902, 0.4230

### Deuteranopia

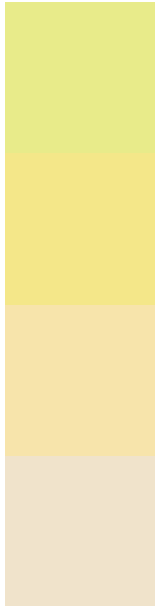
78.2890, 0.3586, 0.3637



## Tritanopia

78.2997, 0.3163, 0.3118

# Trichromacy



## Original Color

78.4074, 0.3721, 0.4318

## Protanomaly

78.1911, 0.3834, 0.4258

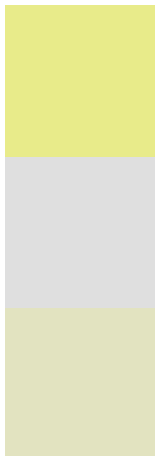
## Deuteranomaly

78.2012, 0.3647, 0.3883

## Tritanomaly

77.7752, 0.3379, 0.3542

# Monochromacy



## Original Color

78.4074, 0.3721, 0.4318

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.9127, 0.3351, 0.3672

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4074, 0.3721, 0.4318 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(232, 235, 138)` looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 138)  
}
```

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(232, 235, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4074, 0.3721, 0.4318 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(232, 235, 138) }
```

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

```
.border{ border-color:rgb(232, 235, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 235, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 235, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 235, 138); box-shadow:4px 4px 4px 4px rgb(232, 235, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4074, 0.3721, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 138) }
```

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

```
.background{ background-color: rgb(232,  
235, 138) }
```

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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