

# Converting Colors

$Y_{xy}(75.1883, 0.3765, 0.4428)$

Have a look what the booklet for  
Yxy(75.1883, 0.3765, 0.4428)  
contains.

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# Color

**Yxy(75.3626, 0.3763, 0.4437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E87D
RGB	226, 232, 125
RGB Percent	89%, 91%, 49%
CMY	0.1138, 0.0901, 0.5099
CMYK	0.03, 0.00, 0.46, 0.09
HSL	63°, 70%, 70%
HSV	63°, 46%, 91%
XYZ	63.9147, 75.3626, 30.5731
YIQ	218.0080, 30.7710, -34.5490

# Conversions

## Conversions Part 2

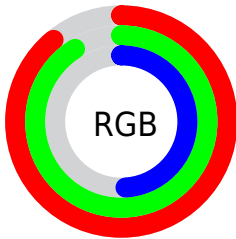
Format	Color
<b>RYB</b>	125, 232, 131
Decimal	14870653
CIELab	89.56, -16.96, 51.04
CIELCh	90, 53.783, 108.382
Yxy	75.3626, 0.3763, 0.4437
Android (android.graphics.Color)	4293060733 (0xFFE2E87D)
YUV	218.0080, -45.8529, 7.0090
Hunter-Lab	86.8116, -20.5005, 39.8876

# Details

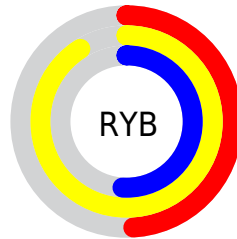
The Yxy color **75.3626, 0.3763, 0.4437** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.3173, 0.2296, 0.1859**, and the grayscale version is **70.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **40.3603, 0.3871, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **74.6298, 0.3876, 0.4651**, and if you desaturate by 10%, it is **76.2423, 0.3634, 0.4199**.

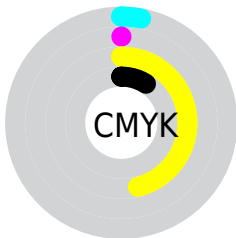
# Distribution



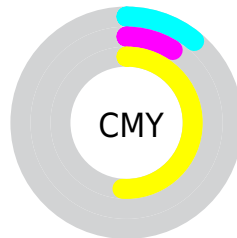
- Red (89%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (51%)



- Cyan (3%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)




- Cyan (11%)
- Magenta (9%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3626, 0.3763, 0.4437 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 75.3626, 0.3763, 0.4437 by changing the saturation by 10% instead.




 75.3626, 0.3763,  
0.4437

 75.3626, 0.3763,  
0.4437

479.1629, 0.3494,  
0.3907

 55.9100, 0.3815,  
0.4554


 126.8255, 0.3676,  
0.4256

 40.1308, 0.3875,  
0.4695


 159.6046, 0.3640,  
0.4184

 27.6405, 0.3940,  
0.4867


 197.5946, 0.3609,  
0.4122

 18.0549, 0.4009,  
0.5079

241.1800, 0.3581,  
0.4068

 10.9894, 0.4070,  
0.5337

290.7452, 0.3555,  
0.4020

 6.0597, 0.4202,  
0.5798

346.6744, 0.3533,

 2.8814, 0.4007,

0.3978

0.5993

409.3522, 0.3512,  
0.3941

■ 1.0701, 0.3562,  
0.6438

■ 0.0000, 0.0000,  
0.0000

■ 75.3626, 0.3763,  
0.4437

■ 75.3626, 0.3763,  
0.4437

■ 74.6298, 0.3876,  
0.4651

■ 76.2423, 0.3634,  
0.4199

■ 74.0239, 0.3968,  
0.4831

■ 77.2676, 0.3496,  
0.3948


■ 73.5373, 0.4035,  
0.4971

■ 78.4499, 0.3354,  
0.3692

■ 73.1569, 0.4076,  
0.5066


■ 79.7967, 0.3212,  
0.3440


 72.8668, 0.4091,  
0.5118

 81.3152, 0.3075,  
0.3198

 72.7685, 0.4094,  
0.5132

 82.4056, 0.2998,  
0.3058

 82.6280, 0.3007,  
0.3059

 82.8520, 0.3015,  
0.3060

 83.0776, 0.3024,  
0.3060

# Harmonies

## Analogous

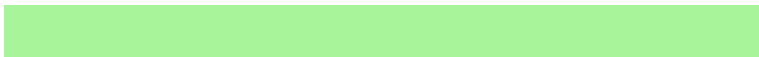
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3626, 0.4231, 0.4148



75.3626, 0.3763, 0.4437



75.3626, 0.3151, 0.4376

# Triad

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



75.3626, 0.3763, 0.4437



75.3626, 0.1996, 0.2684



75.3626, 0.3652, 0.2766

# Complementary

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



75.3626, 0.3763, 0.4437



25.3173, 0.2296, 0.1859

# 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.



75.3626, 0.2996, 0.2445



75.3626, 0.3763, 0.4437



75.3626, 0.2096, 0.2370

# Square

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



75.3626, 0.3763, 0.4437



75.3626, 0.2154, 0.3239



75.3626, 0.2441, 0.2301



75.3626, 0.4192, 0.3206



# Rectangle

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



75.3626, 0.3763, 0.4437



75.3626, 0.2746, 0.4097



75.3626, 0.2441, 0.2301



75.3626, 0.3434, 0.2643

# Sweetspot

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



75.3660, 0.3763, 0.4437



97.5300, 0.3325, 0.3640



34.6929, 0.4352, 0.3354



20.8018, 0.3355, 0.3695



0.0000, 0.0000, 0.0000

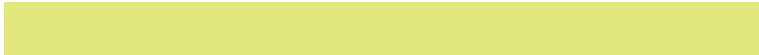


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3660, 0.3763, 0.4437



92.5409, 0.3867, 0.4634



68.1029, 0.3370, 0.4606



16.7736, 0.3259, 0.3523



40.4113, 0.4095, 0.5130



2.9990, 0.4110, 0.5118



# Inverse Universe

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



25.3173, 0.2296, 0.1859



23.6111, 0.2105, 0.1540



30.6618, 0.2732, 0.2012



13.9258, 0.2989, 0.3047



3.2995, 0.1518, 0.0610

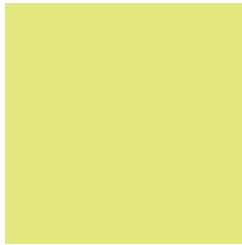


0.2576, 0.1568, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 75.3626, 0.3763, 0.4437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

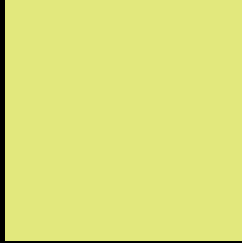
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3626, 0.3763, 0.4437 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 75.3626, 0.3763, 0.4437**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3626, 0.3763, 0.4437.



This preview shows how white text looks on a background with the Yxy color 75.3626, 0.3763, 0.4437.

# 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

75.3626, 0.3763, 0.4437

### Protanopia

75.2369, 0.3976, 0.4322

### Deuteranopia

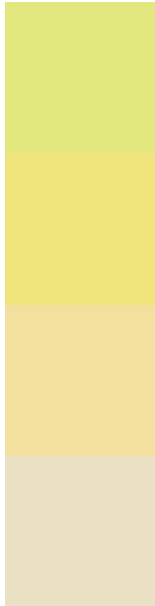
75.0974, 0.3693, 0.3722



## Tritanopia

74.9546, 0.3143, 0.3105

# Trichromacy



## Original Color

75.3626, 0.3763, 0.4437

## Protanomaly

75.4673, 0.3894, 0.4366

## Deuteranomaly

75.0130, 0.3725, 0.3984

## Tritanomaly

74.7893, 0.3387, 0.3591

# Monochromacy



## Original Color

75.3626, 0.3763, 0.4437

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.6082, 0.3374, 0.3725

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3626, 0.3763, 0.4437 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(226, 232, 125)` looks like.

```
.text, #text, p{  
    color:rgb(226, 232, 125)  
}
```

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(226, 232, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3626, 0.3763, 0.4437 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(226, 232, 125) }
```

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

```
.border{ border-color:rgb(226, 232, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 232, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 232, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 232, 125);  
box-shadow:4px 4px 4px 4px rgb(226, 232,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3626, 0.3763, 0.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 125) }
```

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

```
.background{ background-color: rgb(226,  
232, 125) }
```

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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