

# Converting Colors

$Y_{xy}(77.2605, 0.3746, 0.4441)$

Have a look what the booklet for  
Yxy(77.2605, 0.3746, 0.4441)  
contains.

<b>Yxy(77.2799, 0.3747, 0.4440)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.2799, 0.3747, 0.4440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EB7F
RGB	227, 235, 127
RGB Percent	89%, 92%, 50%
CMY	0.1098, 0.0784, 0.5020
CMYK	0.03, 0.00, 0.46, 0.08
HSL	64°, 73%, 71%
HSV	64°, 46%, 92%
XYZ	65.2180, 77.2799, 31.5560
YIQ	220.2960, 29.9000, -35.2840

# Conversions

## Conversions Part 2

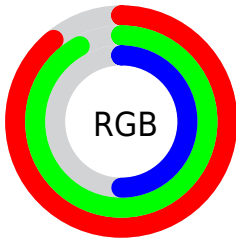
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 235, 135
Decimal	14936959
CIELab	90.45, -17.83, 51.18
CIELCh	90, 54.198, 109.207
Yxy	77.2799, 0.3747, 0.4440
Android (android.graphics.Color)	4293127039 (0xFFE3EB7F)
YUV	220.2960, -45.9949, 5.8794
Hunter-Lab	87.9090, -21.4150, 40.2535

# Details

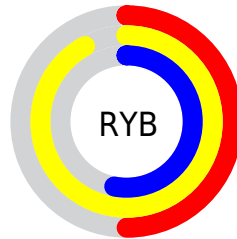
The Yxy color **77.2799, 0.3747, 0.4440** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.3276, 0.2313, 0.1869**, and the grayscale version is **72.1017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **41.2807, 0.3862, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **76.4587, 0.3857, 0.4658**, and if you desaturate by 10%, it is **78.2539, 0.3621, 0.4199**.

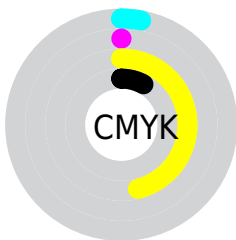
# Distribution



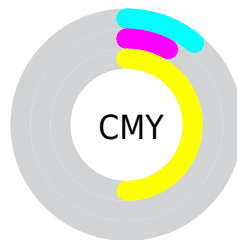
- Red (89%)
- Green (92%)
- Blue (50%)



- Red (50%)
- Yellow (92%)
- Blue (53%)



- Cyan (3%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)




- Cyan (11%)
- Magenta (8%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2799, 0.3747, 0.4440 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 77.2799, 0.3747, 0.4440 by changing the saturation by 10% instead.




 77.2799, 0.3747,  
0.4440


 77.2799, 0.3747,  
0.4440


485.7178, 0.3486,  
0.3910

 57.4826, 0.3797,  
0.4557


 129.5345, 0.3663,  
0.4259

 41.3929, 0.3854,  
0.4698


 162.7606, 0.3629,  
0.4187

 28.6262, 0.3917,  
0.4869


 201.2319, 0.3598,  
0.4125

 18.7982, 0.3982,  
0.5081

245.3325, 0.3571,  
0.4071

 11.5246, 0.4040,  
0.5340

295.4471, 0.3546,  
0.4024

 6.4208, 0.4146,  
0.5771

351.9599, 0.3524,

 3.1026, 0.3984,

0.3981

0.6016

415.2553, 0.3504,  
0.3944

■ 1.1855, 0.3591,  
0.6409

■ 0.0498, 0.0000,  
1.0000

■ 77.2799, 0.3747,  
0.4440

■ 77.2799, 0.3747,  
0.4440

■ 76.4587, 0.3857,  
0.4658

■ 78.2539, 0.3621,  
0.4199

■ 75.7697, 0.3946,  
0.4842


■ 79.3792, 0.3486,  
0.3946


■ 75.2049, 0.4011,  
0.4986

■ 80.6678, 0.3347,  
0.3688

■ 74.7511, 0.4049,  
0.5085


■ 82.1273, 0.3208,  
0.3436


 74.3917, 0.4061,  
0.5141


 83.7651, 0.3073,  
0.3194

 74.2625, 0.4062,  
0.5157

 84.7221, 0.3022,  
0.3090

 85.0241, 0.3033,  
0.3091

 85.3289, 0.3044,  
0.3092

 85.6368, 0.3055,  
0.3092

# Harmonies

## Analogous

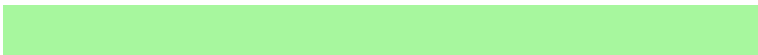
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2799, 0.4221, 0.4159



77.2799, 0.3747, 0.4440



77.2799, 0.3134, 0.4367

# Triad

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



77.2799, 0.3747, 0.4440



77.2799, 0.1996, 0.2673



77.2799, 0.3669, 0.2777

# Complementary

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



77.2799, 0.3747, 0.4440



26.3276, 0.2313, 0.1869

# 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.



77.2799, 0.3014, 0.2453



77.2799, 0.3747, 0.4440



77.2799, 0.2103, 0.2366

# Square

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



77.2799, 0.3747, 0.4440



77.2799, 0.2147, 0.3221



77.2799, 0.2454, 0.2303

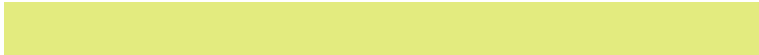


77.2799, 0.4202, 0.3219



# Rectangle

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



77.2799, 0.3747, 0.4440



77.2799, 0.2731, 0.4081



77.2799, 0.2454, 0.2303



77.2799, 0.3452, 0.2653

# Sweetspot

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



77.2834, 0.3747, 0.4440



97.4120, 0.3320, 0.3640



36.3004, 0.4336, 0.3375



20.7727, 0.3351, 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.



77.2834, 0.3747, 0.4440



92.0940, 0.3850, 0.4643



69.9280, 0.3357, 0.4608



17.5669, 0.3256, 0.3524



41.3528, 0.4064, 0.5155



3.2642, 0.4083, 0.5140



# Inverse Universe

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



26.3276, 0.2313, 0.1869



23.7952, 0.2120, 0.1546



31.8937, 0.2750, 0.2022



14.6022, 0.2991, 0.3047



3.4270, 0.1524, 0.0613

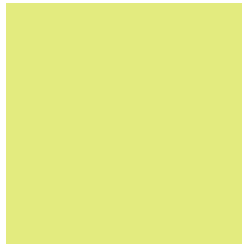


0.2877, 0.1586, 0.0647



# Previews

## White Background



This preview shows how the Yxy color 77.2799, 0.3747, 0.4440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

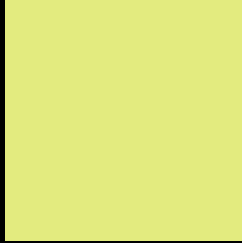
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.2799, 0.3747, 0.4440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

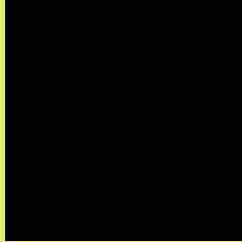
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.2799, 0.3747, 0.4440**

## Background



This preview shows how black text looks on a background with the Yxy color 77.2799, 0.3747, 0.4440.

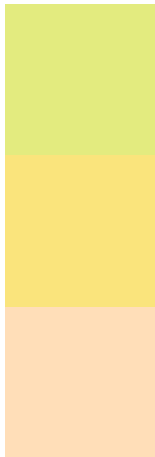


This preview shows how white text looks on a background with the Yxy color 77.2799, 0.3747, 0.4440.

# 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

77.2799, 0.3747, 0.4440

### Protanopia

77.2660, 0.3971, 0.4333

### Deuteranopia

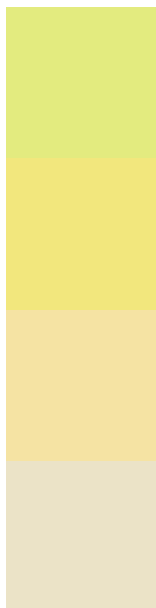
76.9632, 0.3634, 0.3679



## Tritanopia

77.0591, 0.3136, 0.3107

# Trichromacy



## Original Color

77.2799, 0.3747, 0.4440

## Protanomaly

77.5097, 0.3889, 0.4376

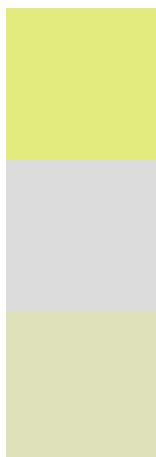
## Deuteranomaly

76.9950, 0.3689, 0.3959

## Tritanomaly

76.7239, 0.3369, 0.3588

# Monochromacy



## Original Color

77.2799, 0.3747, 0.4440

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

73.0836, 0.3372, 0.3722

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2799, 0.3747, 0.4440 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(227, 235, 127)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 127)  
}
```

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(227, 235, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2799, 0.3747, 0.4440 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(227, 235, 127) }
```

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

```
.border{ border-color:rgb(227, 235, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 127);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
127) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.2799, 0.3747, 0.4440$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 127) }
```

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

```
.background{ background-color: rgb(227,  
235, 127) }
```

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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