

# Converting Colors

$Yxy(77.1206, 0.3936, 0.4839)$

Have a look what the booklet for  
Yxy(77.1206, 0.3936, 0.4839)  
contains.

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# **Color**

**Yxy(77.1851, 0.3938, 0.4836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1ED52
RGB	225, 237, 82
RGB Percent	88%, 93%, 32%
CMY	0.1177, 0.0705, 0.6784
CMYK	0.05, 0.00, 0.65, 0.07
HSL	65°, 81%, 63%
HSV	65°, 65%, 93%
XYZ	62.8525, 77.1851, 19.5676
YIQ	215.7420, 42.6030, -50.7490

# Conversions

## Conversions Part 2

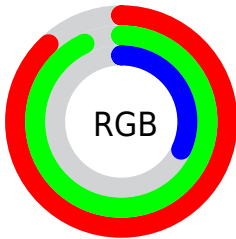
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 237, 94
Decimal	14806354
CIE <sub>Lab</sub>	90.41, -23.04, 70.60
CIE <sub>LCh</sub>	90, 74.260, 108.074
Yxy	77.1851, 0.3938, 0.4836
Android (android.graphics.Color)	4292996434 (0xFFE1ED52)
YUV	215.7420, -65.9348, 8.1193
Hunter-Lab	87.8551, -26.0453, 48.2931

# Details

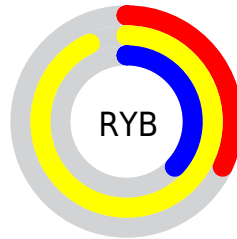
The Yxy color **77.1851, 0.3938, 0.4836** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **14.5320, 0.1924, 0.1219**, and the grayscale version is **68.9198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **41.1767, 0.4037, 0.5146** is the 20% darker color. If you saturate the color by 10%, you get **76.5937, 0.4003, 0.4983**, and if you desaturate by 10%, it is **77.9113, 0.3848, 0.4649**.

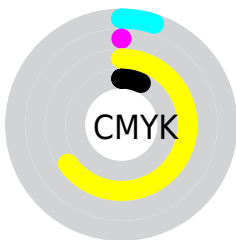
# Distribution



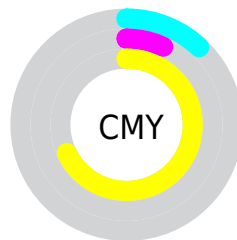
- Red (88%)
- Green (93%)
- Blue (32%)



- Red (32%)
- Yellow (93%)
- Blue (37%)



- Cyan (5%)
- Magenta (0%)
- Yellow (65%)
- Black (7%)




- Cyan (12%)
- Magenta (7%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1851, 0.3938, 0.4836 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 77.1851, 0.3938, 0.4836 by changing the saturation by 10% instead.




 77.1851, 0.3938,  
0.4836


 77.1851, 0.3938,  
0.4836

485.3949, 0.3623,  
0.4141

 57.4048, 0.3988,  
0.4979


 129.4007, 0.3845,  
0.4605

 41.3303, 0.4038,  
0.5146

 162.6049, 0.3804,  
0.4512

 28.5773, 0.4081,  
0.5338


 201.0524, 0.3766,  
0.4430

 18.7613, 0.4104,  
0.5555

 245.1277, 0.3732,  
0.4359

 11.4979, 0.4135,  
0.5865

295.2152, 0.3701,  
0.4295

 6.4028, 0.3970,  
0.6030

351.6994, 0.3673,

 3.0915, 0.3712,

0.4238

0.6288

414.9644, 0.3647,  
0.4187

■ 1.1797, 0.3110,  
0.6890

■ 0.0450, 0.0000,  
1.0000

■ 77.1851, 0.3938,  
0.4836

■ 77.1851, 0.3938,  
0.4836

■ 76.5937, 0.4003,  
0.4983

■ 77.9113, 0.3848,  
0.4649

■ 76.1131, 0.4042,  
0.5085


■ 78.7732, 0.3738,  
0.4429

■ 75.7302, 0.4055,  
0.5144

■ 79.7847, 0.3612,  
0.4186


■ 75.5749, 0.4056,  
0.5162


■ 80.9550, 0.3477,  
0.3932

 82.2926, 0.3338,  
0.3675

 83.8054, 0.3200,  
0.3422

 85.5007, 0.3066,  
0.3181

 86.2689, 0.3036,  
0.3111

 86.5922, 0.3048,  
0.3112

# Harmonies

## Analogous

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



77.1851, 0.4583, 0.4369



77.1851, 0.3938, 0.4836



77.1851, 0.3125, 0.4832

# Triad

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



77.1851, 0.3938, 0.4836



77.1851, 0.1655, 0.2455



77.1851, 0.3825, 0.2589

# Complementary

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



77.1851, 0.3938, 0.4836



14.5320, 0.1924, 0.1219

# 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.



77.1851, 0.2926, 0.2188



77.1851, 0.3938, 0.4836



77.1851, 0.1780, 0.2074

# Square

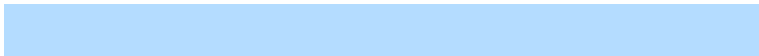
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1851, 0.3938, 0.4836



77.1851, 0.1840, 0.3197



77.1851, 0.2205, 0.2003



77.1851, 0.4580, 0.3136



# Rectangle

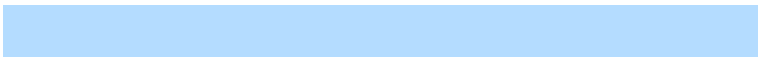
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1851, 0.3938, 0.4836



77.1851, 0.2593, 0.4446



77.1851, 0.2205, 0.2003



77.1851, 0.3521, 0.2435

# Sweetspot

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



77.1886, 0.3938, 0.4836



96.3961, 0.3403, 0.3795



26.3287, 0.5196, 0.3394



20.5387, 0.3443, 0.3867



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.



77.1886, 0.3938, 0.4836



90.2535, 0.4017, 0.5017



67.5912, 0.3389, 0.5178



17.5640, 0.3256, 0.3524



41.2823, 0.4058, 0.5160



3.2594, 0.4078, 0.5144



# Inverse Universe

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



14.5320, 0.1924, 0.1219



11.4185, 0.1711, 0.0884



20.6785, 0.2529, 0.1500



14.6048, 0.2992, 0.3047



3.4321, 0.1525, 0.0614

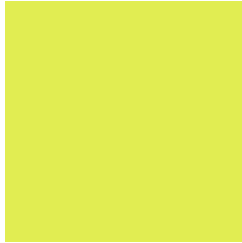


0.2890, 0.1590, 0.0649



# Previews

## White Background



This preview shows how the Yxy color 77.1851, 0.3938, 0.4836 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 77.1851, 0.3938, 0.4836 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 77.1851, 0.3938, 0.4836**

## Background



This preview shows how black text looks on a background with the Yxy color 77.1851, 0.3938, 0.4836.



This preview shows how white text looks on a background with the Yxy color 77.1851, 0.3938, 0.4836.

# 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**

77.1851, 0.3938, 0.4836

**Protanopia**

77.1221, 0.4225, 0.4653

**Deuteranopia**

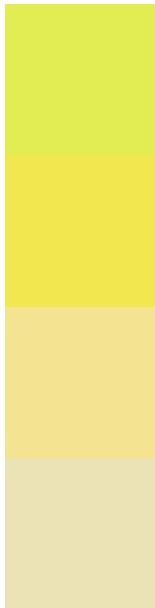
76.7572, 0.3670, 0.3731



## Tritanopia

76.9998, 0.3142, 0.3117

# Trichromacy



**Original Color**

77.1851, 0.3938, 0.4836

**Protanomaly**

76.7857, 0.4118, 0.4721

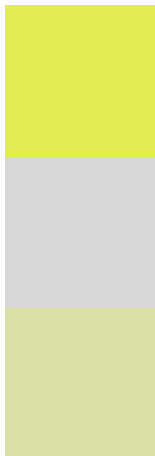
**Deuteranomaly**

76.1849, 0.3806, 0.4154

**Tritanomaly**

75.9777, 0.3485, 0.3773

# Monochromacy



**Original Color**

77.1851, 0.3938, 0.4836

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

71.1614, 0.3472, 0.3932

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1851, 0.3938, 0.4836 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(225, 237, 82)` looks like.

```
.text, #text, p{  
    color:rgb(225, 237, 82)  
}
```

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(225, 237, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 237, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1851, 0.3938, 0.4836 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(225, 237, 82) }
```

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

```
.border{ border-color:rgb(225, 237, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 237, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 237, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 237, 82);  
box-shadow:4px 4px 4px 4px rgb(225, 237,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1851, 0.3938, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 237, 82) }
```

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

```
.background{ background-color: rgb(225,  
237, 82) }
```

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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