

# Converting Colors

$Yxy(77.6953, 0.4118, 0.4837)$

Have a look what the booklet for  
Yxy(77.6953, 0.4118, 0.4837)  
contains.

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**Color**

**Yxy(77.6016, 0.4116, 0.4837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEA43
RGB	239, 234, 67
RGB Percent	94%, 92%, 26%
CMY	0.0627, 0.0823, 0.7375
CMYK	0.00, 0.02, 0.72, 0.06
HSL	58°, 84%, 60%
HSV	58°, 72%, 94%
XYZ	66.0344, 77.6016, 16.7974
YIQ	216.4570, 56.5870, -50.8770

# Conversions

## Conversions Part 2

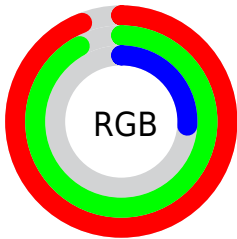
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 239, 67
Decimal	15723075
CIE <sub>Lab</sub>	90.60, -16.63, 76.52
CIE <sub>LCh</sub>	91, 78.311, 102.263
Yxy	77.6016, 0.4116, 0.4837
Android (android.graphics.Color)	4293913155 (0xFFFEFA43)
YUV	216.4570, -73.6823, 19.7702
Hunter-Lab	88.0918, -20.3554, 50.3588

# Details

The Yxy color **77.6016, 0.4116, 0.4837** 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 **12.0515, 0.1754, 0.1046**, and the grayscale version is **69.4803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **41.8239, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **76.9800, 0.4185, 0.4936**, and if you desaturate by 10%, it is **78.3503, 0.4021, 0.4694**.

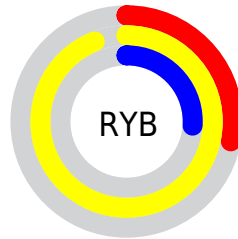
# Distribution



Red (94%)

Green (92%)

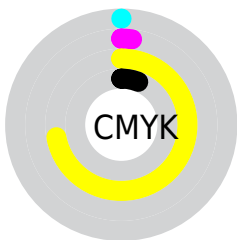
Blue (26%)



Red (28%)

Yellow (94%)

Blue (26%)

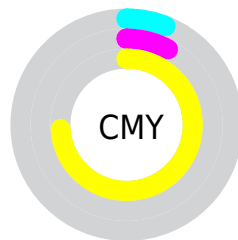


Cyan (0%)

Magenta (2%)

Yellow (72%)

Black (6%)



Cyan (6%)

Magenta (8%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6016, 0.4116, 0.4837 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 77.6016, 0.4116, 0.4837 by changing the saturation by 10% instead.





 77.6016, 0.4116,  
0.4837

 77.6016, 0.4116,  
0.4837


486.8128, 0.3730,  
0.4165

 57.7468, 0.4178,  
0.4968


 129.9884, 0.4002,  
0.4620

 41.6051, 0.4240,  
0.5115


 163.2891, 0.3952,  
0.4531

 28.7922, 0.4295,  
0.5277


 201.8405, 0.3906,  
0.4451

 18.9237, 0.4332,  
0.5452

 246.0271, 0.3864,  
0.4381

 11.6151, 0.4347,  
0.5653

 296.2332, 0.3826,  
0.4318

 6.4822, 0.4231,  
0.5769


352.8433, 0.3791,


 3.1404, 0.4049,


0.4262


0.5951

416.2417, 0.3759,  
0.4211


 1.2055, 0.3704,  
0.6296


 0.0662, 0.0000,  
1.0000


 77.6016, 0.4116,  
0.4837

 77.6016, 0.4116,  
0.4837


 76.9800, 0.4185,  
0.4936


 78.3503, 0.4021,  
0.4694

 76.4589, 0.4227,  
0.4992


 79.2281, 0.3902,  
0.4513


 76.0972, 0.4246,  
0.5011


 80.2500, 0.3765,  
0.4301


 81.4260, 0.3617,  
0.4068

 82.7654, 0.3462,  
0.3824

 84.2765, 0.3307,  
0.3578

 85.9672, 0.3157,  
0.3337

 87.6405, 0.3031,  
0.3137

 88.0500, 0.3031,  
0.3144

# Harmonies

## Analogous

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



77.6016, 0.4739, 0.4283



77.6016, 0.4116, 0.4837



77.6016, 0.3283, 0.4977

# Triad

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



77.6016, 0.4116, 0.4837



77.6016, 0.1605, 0.2530



77.6016, 0.3674, 0.2461

# Complementary

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



77.6016, 0.4116, 0.4837



12.0515, 0.1754, 0.1046

# 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.



77.6016, 0.2746, 0.2086



77.6016, 0.4116, 0.4837



77.6016, 0.1675, 0.2068

# Square

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



77.6016, 0.4116, 0.4837



77.6016, 0.1858, 0.3376



77.6016, 0.2053, 0.1941



77.6016, 0.4534, 0.3005



# Rectangle

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



77.6016, 0.4116, 0.4837



77.6016, 0.2716, 0.4666



77.6016, 0.2053, 0.1941



77.6016, 0.3352, 0.2314

# Sweetspot

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



77.6052, 0.4116, 0.4837



95.8612, 0.3464, 0.3826



22.8364, 0.5523, 0.3251



20.4238, 0.3506, 0.3893



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.



77.6052, 0.4116, 0.4837



88.8995, 0.4206, 0.4965



69.4866, 0.3497, 0.5269



18.3754, 0.3269, 0.3517



42.0833, 0.4245, 0.5012



3.5256, 0.4237, 0.5017



# Inverse Universe

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



12.0515, 0.1754, 0.1046



9.2516, 0.1578, 0.0745



16.4646, 0.2292, 0.1272



15.3024, 0.2979, 0.3053



3.5600, 0.1505, 0.0618

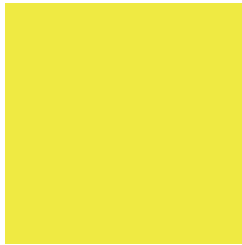


0.3220, 0.1519, 0.0666



# Previews

## White Background



This preview shows how the Yxy color 77.6016, 0.4116, 0.4837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

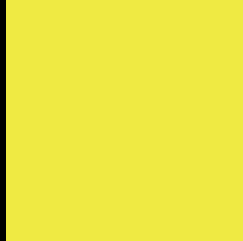
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6016, 0.4116, 0.4837 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 77.6016, 0.4116, 0.4837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6016, 0.4116, 0.4837.



This preview shows how white text looks on a background with the Yxy color 77.6016, 0.4116, 0.4837.

# 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

77.6016, 0.4116, 0.4837

### Protanopia

77.2548, 0.4248, 0.4672

### Deuteranopia

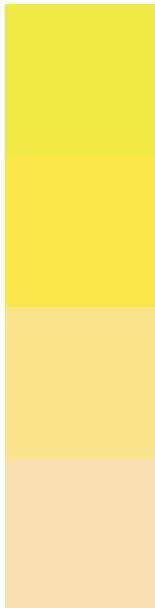
77.3306, 0.3660, 0.3730



## Tritanopia

77.0236, 0.3265, 0.3121

# Trichromacy



## Original Color

77.6016, 0.4116, 0.4837

## Protanomaly

77.2012, 0.4201, 0.4732

## Deuteranomaly

76.9420, 0.3876, 0.4189

## Tritanomaly

76.3238, 0.3646, 0.3811

# Monochromacy



## Original Color

77.6016, 0.4116, 0.4837

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

71.2313, 0.3547, 0.3969

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6016, 0.4116, 0.4837 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(239, 234, 67)` looks like.

```
.text, #text, p{  
    color:rgb(239, 234, 67)  
}
```

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(239, 234, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 234, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6016, 0.4116, 0.4837 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(239, 234, 67) }
```

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

```
.border{ border-color:rgb(239, 234, 67) }
```

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

Here you see how a box with a 4 pixel rgb(239, 234, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 234, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 234, 67);  
box-shadow:4px 4px 4px 4px rgb(239, 234,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6016, 0.4116, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 234, 67) }
```

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

```
.background{ background-color: rgb(239,  
234, 67) }
```

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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