

Converting Colors

Yxy(76.4811, 0.4353, 0.4837)

Have a look what the booklet for
Yxy(76.4811, 0.4353, 0.4837)
contains.

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Color

Yxy(76.6850, 0.4350, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	FEE424
RGB	254, 228, 36
RGB Percent	100%, 89%, 14%
CMY	0.0039, 0.1059, 0.8581
CMYK	0.00, 0.10, 0.86, 0.00
HSL	53°, 99%, 57%
HSV	53°, 86%, 100%
XYZ	68.9357, 76.6850, 12.8521
YIQ	213.8860, 77.1280, -54.2000

Conversions

Conversions Part 2

Format	Color
RYB	66, 254, 36
Decimal	16704548
CIELab	90.18, -8.42, 84.96
CIELCh	90, 85.372, 95.663
Yxy	76.6850, 0.4350, 0.4839
Android (android.graphics.Color)	4294894628 (0xFFEE424)
YUV	213.8860, -87.6978, 35.1800
Hunter-Lab	87.5700, -12.7310, 52.5973

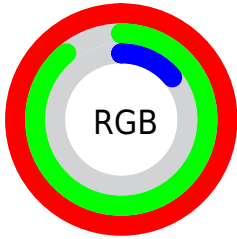
Details

The Yxy color **76.6850, 0.4350, 0.4839** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **10.9990, 0.1613, 0.0872**, and the grayscale version is **67.7432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **41.2246, 0.4388, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **74.9308, 0.4406, 0.4866**, and if you desaturate by 10%, it is **78.5857, 0.4265, 0.4767**.

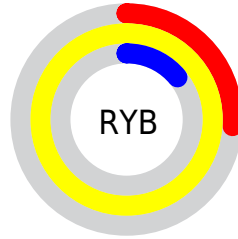
Distribution



Red (100%)

Green (89%)

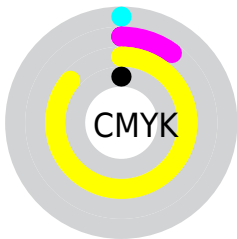
Blue (14%)



Red (26%)

Yellow (100%)

Blue (14%)

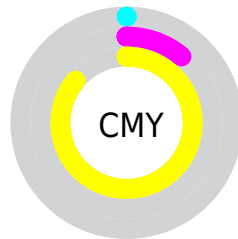


Cyan (0%)

Magenta (10%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6850, 0.4350, 0.4839 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 76.6850, 0.4350, 0.4839 by changing the saturation by 10% instead.


 76.6850, 0.4350,
0.4839


 76.6850, 0.4350,
0.4839


483.6894, 0.3876,
0.4202


 56.9944, 0.4424,
0.4951


 128.6947, 0.4212,
0.4644


 41.0007, 0.4498,
0.5069

 161.7826, 0.4150,
0.4560

 28.3197, 0.4562,
0.5189


 200.1051, 0.4093,
0.4484

 18.5668, 0.4634,
0.5335

 244.0465, 0.4042,
0.4416

 11.3577, 0.4608,
0.5392

 293.9912, 0.3995,
0.4355

 6.3079, 0.4550,
0.5450

350.3237, 0.3952,

 3.0332, 0.4459,

0.4299

0.5541

413.4282, 0.3912,
0.4248

■ 1.1491, 0.4296,
0.5704

■ 0.0195, 0.0000,
1.0000

■ 76.6850, 0.4350,
0.4839

■ 76.6850, 0.4350,
0.4839

■ 74.9308, 0.4406,
0.4866


■ 78.5857, 0.4265,
0.4767

■ 74.2134, 0.4425,
0.4869


■ 80.6419, 0.4153,
0.4649

■ 82.8736, 0.4017,
0.4491

■ 85.2947, 0.3864,
0.4301

 87.9176, 0.3702,
0.4089

 90.7533, 0.3536,
0.3865

 93.8121, 0.3372,
0.3638

 97.1034, 0.3214,
0.3414

99.8097, 0.3121,
0.3290

Harmonies

Analogous

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



76.6850, 0.4958, 0.4177



76.6850, 0.4350, 0.4839



76.6850, 0.3480, 0.5171

Triad

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



76.6850, 0.4350, 0.4839



76.6850, 0.1519, 0.2617



76.6850, 0.3485, 0.2290

Complementary

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



76.6850, 0.4350, 0.4839



10.9990, 0.1613, 0.0872

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.



76.6850, 0.2515, 0.1942



76.6850, 0.4350, 0.4839



76.6850, 0.1527, 0.2042

Square

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



76.6850, 0.4350, 0.4839



76.6850, 0.1860, 0.3624



76.6850, 0.1852, 0.1845



76.6850, 0.4488, 0.2833

Rectangle

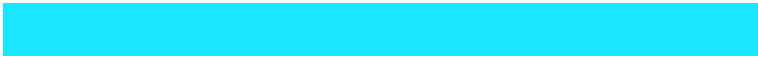
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6850, 0.4350, 0.4839



76.6850, 0.2861, 0.4972



76.6850, 0.1852, 0.1845



76.6850, 0.3138, 0.2148

Sweetspot

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



76.6887, 0.4350, 0.4839



91.4973, 0.3540, 0.3870



22.7276, 0.5867, 0.3140



19.3671, 0.3597, 0.3949



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.



76.6887, 0.4350, 0.4839



74.8805, 0.4425, 0.4869



80.0223, 0.3608, 0.5422



20.6988, 0.3272, 0.3497



39.2733, 0.4420, 0.4872



3.9239, 0.4391, 0.4896

Inverse Universe

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



10.9990, 0.1613, 0.0872



8.1702, 0.1520, 0.0670



12.1456, 0.1940, 0.0916



17.7267, 0.2979, 0.3074



4.3782, 0.1524, 0.0685



0.5324, 0.1565, 0.0832

Previews

White Background



This preview shows how the Yxy color 76.6850, 0.4350, 0.4839 looks on a white background.

Color Contrast Check

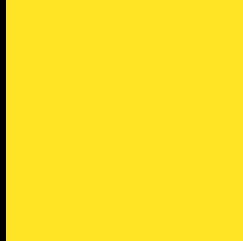
Large Text (above 18pt) WCAG AA × Fail

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 76.6850, 0.4350, 0.4839 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 76.6850, 0.4350, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 76.6850, 0.4350, 0.4839.



This preview shows how white text looks on a background with the Yxy color 76.6850, 0.4350, 0.4839.

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

76.6850, 0.4350, 0.4839

Protanopia

76.4461, 0.4330, 0.4774

Deuteranopia

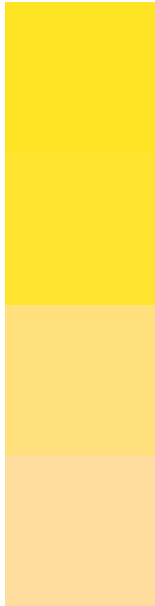
76.6371, 0.3691, 0.3762



Tritanopia

76.4871, 0.3329, 0.3181

Trichromacy



Original Color

76.6850, 0.4350, 0.4839

Protanomaly

76.3954, 0.4345, 0.4796

Deuteranomaly

76.0520, 0.4023, 0.4274

Tritanomaly

75.4415, 0.3821, 0.3934

Monochromacy



Original Color

76.6850, 0.4350, 0.4839

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

69.4910, 0.3686, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6850, 0.4350, 0.4839 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(254, 228, 36)` looks like.

```
.text, #text, p{  
    color:rgb(254, 228, 36)  
}
```

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(254, 228, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 228, 36) }
```

Border

The CSS property to change the border of an element to Yxy 76.6850, 0.4350, 0.4839 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(254, 228, 36) }
```

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

```
.border{ border-color:rgb(254, 228, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 228, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 228, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 228, 36);  
box-shadow:4px 4px 4px 4px rgb(254, 228,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6850, 0.4350, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 228, 36) }
```

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

```
.background{ background-color: rgb(254,  
228, 36) }
```

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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