

# Converting Colors

$Yxy(76.4767, 0.4199, 0.4613)$

Have a look what the booklet for  
Yxy(76.4767, 0.4199, 0.4613)  
contains.

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# Color

**Yxy(76.4767, 0.4199, 0.4613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE355
RGB	253, 227, 85
RGB Percent	99%, 89%, 33%
CMY	0.0079, 0.1098, 0.6665
CMYK	0.00, 0.10, 0.66, 0.01
HSL	51°, 98%, 66%
HSV	51°, 66%, 99%
XYZ	69.6132, 76.4767, 19.6953
YIQ	218.5860, 61.0780, -38.6500

# Conversions

## Conversions Part 2

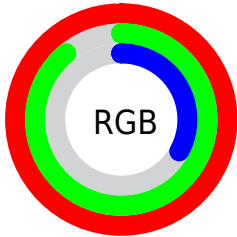
Format	Color
R <sub>Y</sub> B	116, 253, 85
Decimal	16638805
CIE Lab	90.08, -6.54, 69.79
CIE LCh	90, 70.094, 95.355
Yxy	76.4767, 0.4199, 0.4613
Android (android.graphics.Color)	4294828885 (0xFFFDE355)
YUV	218.5860, -65.8579, 30.1811
Hunter-Lab	87.4510, -10.9486, 47.8627

# Details

The Yxy color **76.4767, 0.4199, 0.4613** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **20.3961, 0.1900, 0.1427**, and the grayscale version is **70.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **40.8930, 0.4370, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **74.0313, 0.4321, 0.4724**, and if you desaturate by 10%, it is **79.1216, 0.4054, 0.4461**.

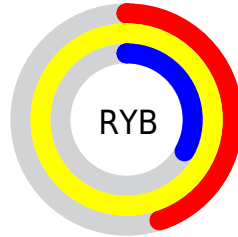
# Distribution



Red (99%)

Green (89%)

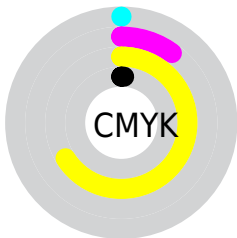
Blue (33%)



Red (45%)

Yellow (99%)

Blue (33%)

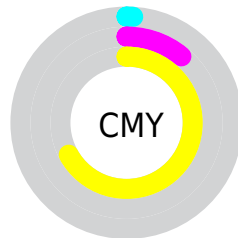


Cyan (0%)

Magenta (10%)

Yellow (66%)

Black (1%)



Cyan (1%)

Magenta (11%)


Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4767, 0.4199, 0.4613 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 76.4767, 0.4199, 0.4613 by changing the saturation by 10% instead.




 76.4767, 0.4199,  
0.4613


 76.4767, 0.4199,  
0.4613


482.9780, 0.3755,  
0.4044

 56.8235, 0.4280,  
0.4723


 128.4005, 0.4060,  
0.4430

 40.8635, 0.4368,  
0.4847


 161.4399, 0.4002,  
0.4354

 28.2125, 0.4460,  
0.4984


 199.7102, 0.3949,  
0.4287

 18.4859, 0.4546,  
0.5129

 243.5957, 0.3902,  
0.4228

 11.2994, 0.4668,  
0.5332

293.4808, 0.3860,  
0.4174

 6.2686, 0.4623,  
0.5377

349.7500, 0.3821,

 3.0091, 0.4552,

0.4126

0.5448

412.7876, 0.3787,  
0.4083

■ 1.1365, 0.4426,  
0.5574

■ 0.0089, 0.0000,  
1.0000

■ 76.4767, 0.4199,  
0.4613

■ 76.4767, 0.4199,  
0.4613

■ 74.0313, 0.4321,  
0.4724

■ 79.1216, 0.4054,  
0.4461

■ 71.7582, 0.4416,  
0.4789

■ 81.9693, 0.3893,  
0.4278

■ 69.6405, 0.4482,  
0.4808

■ 85.0357, 0.3723,  
0.4073


■ 68.9017, 0.4501,  
0.4808

■ 88.3323, 0.3552,  
0.3857

 91.8693, 0.3384,  
0.3638

 95.6564, 0.3224,  
0.3423

 99.2345, 0.3115,  
0.3284

 99.6191, 0.3115,  
0.3290

# Harmonies

## Analogous

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



76.4767, 0.4680, 0.4088



76.4767, 0.4199, 0.4613



76.4767, 0.3470, 0.4824

# Triad

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



76.4767, 0.4199, 0.4613



76.4767, 0.1758, 0.2761



76.4767, 0.3425, 0.2436

# Complementary

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



76.4767, 0.4199, 0.4613



20.3961, 0.1900, 0.1427

# 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.



76.4767, 0.2616, 0.2133



76.4767, 0.4199, 0.4613



76.4767, 0.1752, 0.2248

# Square

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



76.4767, 0.4199, 0.4613



76.4767, 0.2074, 0.3587



76.4767, 0.2040, 0.2056



76.4767, 0.4241, 0.2914



# Rectangle

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



76.4767, 0.4199, 0.4613



76.4767, 0.2943, 0.4640



76.4767, 0.2040, 0.2056



76.4767, 0.3139, 0.2313

# Sweetspot

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



76.4803, 0.4199, 0.4613



92.2106, 0.3444, 0.3717



28.5763, 0.4972, 0.3040



19.5202, 0.3491, 0.3779



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.



76.4803, 0.4199, 0.4613



74.5171, 0.4359, 0.4753



82.7659, 0.3646, 0.5047



20.5839, 0.3273, 0.3489



36.8352, 0.4496, 0.4812



3.7099, 0.4456, 0.4844



# Inverse Universe

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



20.3961, 0.1900, 0.1427



14.0411, 0.1694, 0.1059



19.2596, 0.2187, 0.1318



17.8311, 0.2979, 0.3083



4.6798, 0.1535, 0.0727



0.5813, 0.1583, 0.0897



# Previews

## White Background



This preview shows how the Yxy color 76.4767, 0.4199, 0.4613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

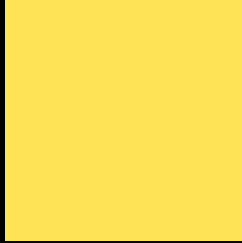
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4767, 0.4199, 0.4613 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 76.4767, 0.4199, 0.4613**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4767, 0.4199, 0.4613.



This preview shows how white text looks on a background with the Yxy color 76.4767, 0.4199, 0.4613.

# 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

76.4767, 0.4199, 0.4613

### Protanopia

76.4767, 0.4199, 0.4613

### Deuteranopia

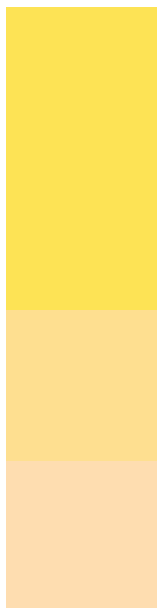
76.1472, 0.3687, 0.3742



## Tritanopia

76.4871, 0.3329, 0.3181

# Trichromacy



## Original Color

76.4767, 0.4199, 0.4613

## Protanomaly

76.4767, 0.4199, 0.4613

## Deuteranomaly

75.8598, 0.3900, 0.4092

## Tritanomaly

75.9183, 0.3686, 0.3753

# Monochromacy



## Original Color

76.4767, 0.4199, 0.4613

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.1338, 0.3549, 0.3859

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4767, 0.4199, 0.4613 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(253, 227, 85)` looks like.

```
.text, #text, p{  
    color:rgb(253, 227, 85)  
}
```

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(253, 227, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 227, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4767, 0.4199, 0.4613 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(253, 227, 85) }
```

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

```
.border{ border-color:rgb(253, 227, 85) }
```

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

Here you see how a box with a 4 pixel rgb(253, 227, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 227, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 227, 85);  
box-shadow:4px 4px 4px 4px rgb(253, 227,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4767, 0.4199, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 227, 85) }
```

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

```
.background{ background-color: rgb(253,  
227, 85) }
```

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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