

# Converting Colors

$Yxy(88.7875, 0.4150, 0.4982)$

Have a look what the booklet for  
Yxy(88.7875, 0.4150, 0.4982)  
contains.

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# **Color**

**Yxy(88.8624, 0.4151, 0.4983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFA2A
RGB	250, 250, 42
RGB Percent	98%, 98%, 16%
CMY	0.0197, 0.0196, 0.8351
CMYK	0.00, 0.00, 0.83, 0.02
HSL	60°, 95%, 57%
HSV	60°, 83%, 98%
XYZ	74.0253, 88.8624, 15.4435
YIQ	226.2880, 66.7680, -64.6880

# Conversions

## Conversions Part 2

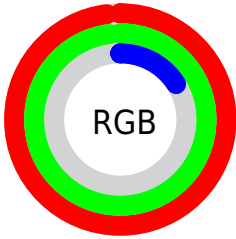
Format	Color
R <sub>Y</sub> B	42, 250, 42
Decimal	16448042
CIE Lab	95.52, -20.67, 87.98
CIE LCh	96, 90.376, 103.224
Yxy	88.8624, 0.4151, 0.4983
Android (android.graphics.Color)	4294638122 (0xFFFAFA2A)
YUV	226.2880, -90.8540, 20.7954
Hunter-Lab	94.2669, -24.7957, 56.2735

# Details

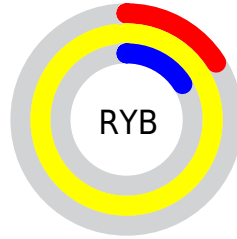
The Yxy color **88.8624, 0.4151, 0.4983** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.0548, 0.1596, 0.0759**, and the grayscale version is **76.9118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **49.4024, 0.4148, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **88.7392, 0.4183, 0.5036**, and if you desaturate by 10%, it is **89.1053, 0.4093, 0.4888**.

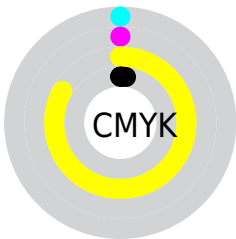
# Distribution



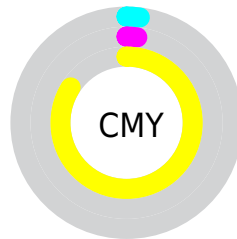
- Red (98%)
- Green (98%)
- Blue (16%)



- Red (16%)
- Yellow (98%)
- Blue (16%)



- Cyan (0%)
- Magenta (0%)
- Yellow (83%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8624, 0.4151, 0.4983 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 88.8624, 0.4151, 0.4983 by changing the saturation by 10% instead.




 88.8624, 0.4151,  
0.4983


 88.8624, 0.4151,  
0.4983


524.3233, 0.3782,  
0.4278

 67.0375, 0.4203,  
0.5113


 145.7572, 0.4049,  
0.4762

 49.1151, 0.4250,  
0.5255


 181.5959, 0.4002,  
0.4669


 34.7108, 0.4285,  
0.5407


 222.8747, 0.3958,  
0.4586

 23.4402, 0.4300,  
0.5571

 269.9779, 0.3917,  
0.4511

 14.9189, 0.4269,  
0.5731

 323.2900, 0.3879,  
0.4444

 8.7625, 0.4149,  
0.5851

383.1953, 0.3844,

 4.5866, 0.3967,

0.4383

0.6033

450.0783, 0.3812,  
0.4328

■ 2.0068, 0.3668,  
0.6332

■ 0.6114, 0.1111,  
0.8889

■ 88.8624, 0.4151,  
0.4983

■ 88.8624, 0.4151,  
0.4983

■ 88.7392, 0.4183,  
0.5036

■ 89.1053, 0.4093,  
0.4888

■ 88.6983, 0.4193,  
0.5053


■ 89.4735, 0.4009,  
0.4748


■ 89.9859, 0.3900,  
0.4568


■ 90.6553, 0.3772,  
0.4356

 91.4931, 0.3629,  
0.4120

 92.5097, 0.3478,  
0.3871

 93.7146, 0.3325,  
0.3617

 95.1165, 0.3174,  
0.3368

 95.9235, 0.3098,  
0.3242

# Harmonies

## Analogous

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



88.8624, 0.4853, 0.4358



88.8624, 0.4151, 0.4983



88.8624, 0.3243, 0.5160

# Triad

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



88.8624, 0.4151, 0.4983



88.8624, 0.1481, 0.2424



88.8624, 0.3757, 0.2406

# Complementary

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



88.8624, 0.4151, 0.4983



9.0548, 0.1596, 0.0759

# 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.



88.8624, 0.2733, 0.1999



88.8624, 0.4151, 0.4983



88.8624, 0.1569, 0.1952

# Square

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



88.8624, 0.4151, 0.4983



88.8624, 0.1729, 0.3336



88.8624, 0.1979, 0.1835



88.8624, 0.4701, 0.2987



# Rectangle

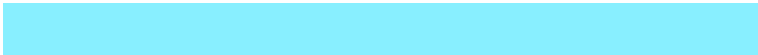
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8624, 0.4151, 0.4983



88.8624, 0.2632, 0.4805



88.8624, 0.1979, 0.1835



88.8624, 0.3401, 0.2247

# Sweetspot

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



88.8666, 0.4151, 0.4983



96.5513, 0.3506, 0.3917



22.1518, 0.6057, 0.3299



20.5839, 0.3560, 0.4005



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.



88.8666, 0.4151, 0.4983



92.7749, 0.4193, 0.5053



74.6579, 0.3435, 0.5519



20.1907, 0.3269, 0.3524



47.0442, 0.4193, 0.5053



4.3571, 0.4193, 0.5053



# Inverse Universe

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



9.0548, 0.1596, 0.0759



7.2202, 0.1500, 0.0600



14.6745, 0.2197, 0.1076



16.6432, 0.2979, 0.3045



3.6612, 0.1500, 0.0600

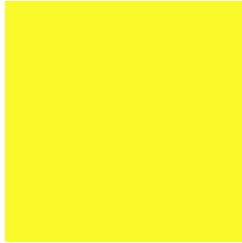


0.3391, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 88.8624, 0.4151, 0.4983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

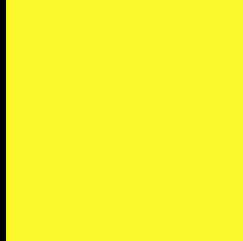
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8624, 0.4151, 0.4983 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 88.8624, 0.4151, 0.4983**

## Background



This preview shows how black text looks on a background with the Yxy color 88.8624, 0.4151, 0.4983.



This preview shows how white text looks on a background with the Yxy color 88.8624, 0.4151, 0.4983.

# 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

88.8624, 0.4151, 0.4983



### Protanopia

88.5258, 0.3537, 0.3800



### Deuteranopia

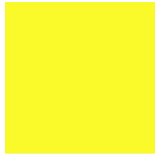
88.8006, 0.3347, 0.3478



## Tritanopia

88.5438, 0.3185, 0.3193

# Trichromacy



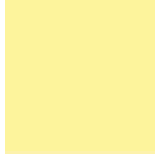
## Original Color

88.8624, 0.4151, 0.4983



## Protanomaly

87.9936, 0.3841, 0.4351



## Deuteranomaly

87.9843, 0.3735, 0.4167



## Tritanomaly

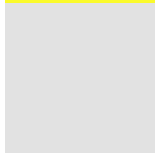
87.3655, 0.3643, 0.3994

# Monochromacy



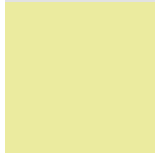
## Original Color

88.8624, 0.4151, 0.4983



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.5820, 0.3615, 0.4096

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8624, 0.4151, 0.4983 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(250, 250, 42)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 42)  
}
```

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(250, 250, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8624, 0.4151, 0.4983 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(250, 250, 42) }
```

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

```
.border{ border-color:rgb(250, 250, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 250, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 42);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8624, 0.4151, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 42) }
```

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

```
.background{ background-color: rgb(250,  
250, 42) }
```

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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