

# Converting Colors

Yxy(91.8692, 0.3981, 0.4838)

Have a look what the booklet for  
Yxy(91.8692, 0.3981, 0.4838)  
contains.

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# Color

**Yxy(91.7687, 0.3979, 0.4842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FF55
RGB	246, 255, 85
RGB Percent	96%, 100%, 33%
CMY	0.0352, 0.0000, 0.6664
CMYK	0.04, 0.00, 0.67, 0.00
HSL	63°, 100%, 67%
HSV	63°, 67%, 100%
XYZ	75.4126, 91.7687, 22.3452
YIQ	232.9290, 49.2060, -54.7780

# Conversions

## Conversions Part 2

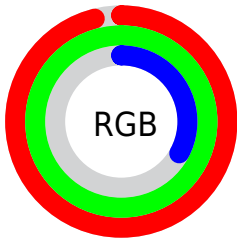
Format	Color
R <sub>Y</sub> B	85, 255, 94
Decimal	16187221
CIE Lab	96.73, -23.00, 76.38
CIE LCh	97, 79.773, 106.759
Yxy	91.7687, 0.3979, 0.4842
Android (android.graphics.Color)	4294377301 (0xFFFF6FF55)
YUV	232.9290, -72.9290, 11.4633
Hunter-Lab	95.7960, -27.1241, 53.2273

# Details

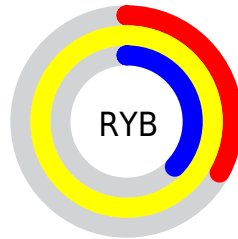
The Yxy color **91.7687, 0.3979, 0.4842** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.1094, 0.1873, 0.1164**, and the grayscale version is **81.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **50.8426, 0.4081, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **91.1948, 0.4045, 0.4978**, and if you desaturate by 10%, it is **92.4988, 0.3888, 0.4665**.

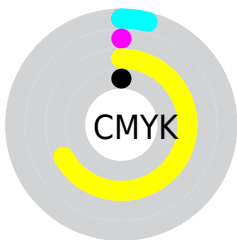
# Distribution



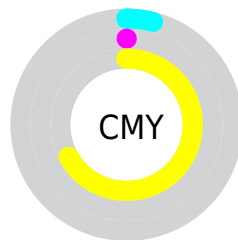
- Red (96%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (37%)



- Cyan (4%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7687, 0.3979, 0.4842 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 91.7687, 0.3979, 0.4842 by changing the saturation by 10% instead.





 91.7687, 0.3979,  
0.4842


 91.7687, 0.3979,  
0.4842


533.7677, 0.3660,  
0.4172

 69.4485, 0.4029,  
0.4975


 149.7928, 0.3886,  
0.4625

 51.0771, 0.4079,  
0.5126


 186.2655, 0.3845,  
0.4535

 36.2700, 0.4123,  
0.5299


 228.2245, 0.3807,  
0.4457

 24.6428, 0.4152,  
0.5491

 276.0542, 0.3772,  
0.4387

 15.8111, 0.4168,  
0.5726

330.1389, 0.3741,  
0.4324

 9.3906, 0.4083,  
0.5917


390.8632, 0.3712,


 4.9968, 0.3891,

0.4268

0.6109


458.6113, 0.3685,  
0.4218


 2.2454, 0.3578,  
0.6422

 0.7446, 0.1641,  
0.8359


 91.7687, 0.3979,  
0.4842


 91.7687, 0.3979,  
0.4842


 91.1948, 0.4045,  
0.4978


 92.4988, 0.3888,  
0.4665


 90.7479, 0.4084,  
0.5068


 93.3865, 0.3775,  
0.4453

 90.4115, 0.4098,  
0.5116

 94.4484, 0.3646,  
0.4216

 90.3127, 0.4100,  
0.5127

 95.6958, 0.3507,  
0.3964

 97.1390, 0.3363,  
0.3707

 98.7873, 0.3220,  
0.3453

99.9999, 0.3127,  
0.3290

# Harmonies

## Analogous

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



91.7687, 0.4621, 0.4353



91.7687, 0.3979, 0.4842



91.7687, 0.3159, 0.4871

# Triad

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



91.7687, 0.3979, 0.4842



91.7687, 0.1640, 0.2468



91.7687, 0.3794, 0.2558

# Complementary

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



91.7687, 0.3979, 0.4842



16.1094, 0.1873, 0.1164

# 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.



91.7687, 0.2885, 0.2163



91.7687, 0.3979, 0.4842



91.7687, 0.1753, 0.2070

# Square

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



91.7687, 0.3979, 0.4842



91.7687, 0.1840, 0.3234



91.7687, 0.2169, 0.1986



91.7687, 0.4576, 0.3106



# Rectangle

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



91.7687, 0.3979, 0.4842



91.7687, 0.2618, 0.4499



91.7687, 0.2169, 0.1986



91.7687, 0.3485, 0.2406

# Sweetspot

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



91.7729, 0.3979, 0.4842



96.6320, 0.3412, 0.3793



29.8446, 0.5288, 0.3369



20.5961, 0.3452, 0.3866



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.



91.7729, 0.3979, 0.4842



91.0312, 0.4061, 0.5013



79.8096, 0.3406, 0.5207



21.0390, 0.3261, 0.3525



47.2117, 0.4101, 0.5126



4.6112, 0.4112, 0.5117



# Inverse Universe

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



16.1094, 0.1873, 0.1164



10.6047, 0.1665, 0.0833



23.2549, 0.2486, 0.1453



17.4235, 0.2987, 0.3045



3.8378, 0.1516, 0.0609

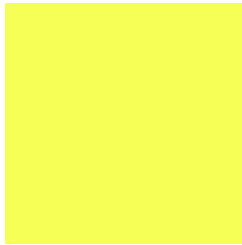


0.3891, 0.1552, 0.0629



# Previews

## White Background



This preview shows how the Yxy color 91.7687, 0.3979, 0.4842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

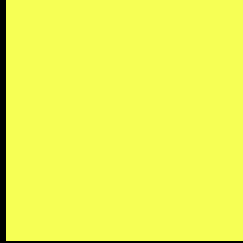
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.7687, 0.3979, 0.4842 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 91.7687, 0.3979, 0.4842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7687, 0.3979, 0.4842.



This preview shows how white text looks on a background with the Yxy color 91.7687, 0.3979, 0.4842.

# 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

91.7687, 0.3979, 0.4842

### Protanopia

91.2180, 0.3410, 0.3637

### Deuteranopia

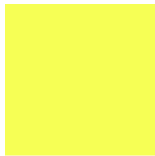
91.7309, 0.3279, 0.3418



## Tritanopia

91.1989, 0.3152, 0.3184

# Trichromacy



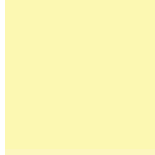
## Original Color

91.7687, 0.3979, 0.4842



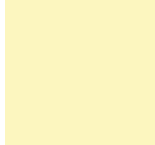
## Protanomaly

91.1634, 0.3658, 0.4127



## Deuteranomaly

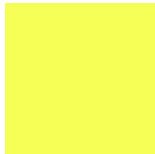
91.0446, 0.3583, 0.3990



## Tritanomaly

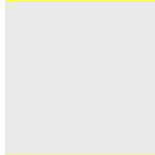
90.3686, 0.3507, 0.3841

# Monochromacy



## Original Color

91.7687, 0.3979, 0.4842



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

84.3424, 0.3495, 0.3938

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7687, 0.3979, 0.4842 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(246, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 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(246, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7687, 0.3979, 0.4842 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(246, 255, 85) }
```

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

```
.border{ border-color:rgb(246, 255, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7687, 0.3979, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 85) }
```

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

```
.background{ background-color: rgb(246,  
255, 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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