

# Converting Colors

$Yxy(78.3551, 0.3973, 0.4452)$

Have a look what the booklet for  
Yxy(78.3551, 0.3973, 0.4452)  
contains.

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# Color

**Yxy(78.5439, 0.3970, 0.4458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E873
RGB	246, 232, 115
RGB Percent	96%, 91%, 45%
CMY	0.0355, 0.0901, 0.5490
CMYK	0.00, 0.06, 0.53, 0.04
HSL	54°, 88%, 71%
HSV	54°, 53%, 96%
XYZ	69.9460, 78.5439, 27.6965
YIQ	222.8480, 45.9010, -33.4190

# Conversions

## Conversions Part 2

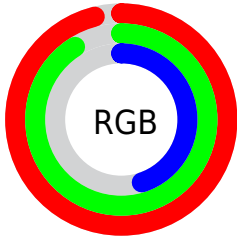
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 246, 115
Decimal	16181363
CIE Lab	91.03, -9.91, 57.81
CIE LCh	91, 58.651, 99.726
Yxy	78.5439, 0.3970, 0.4458
Android (android.graphics.Color)	4294371443 (0xFF6E873)
YUV	222.8480, -53.1691, 20.3043
Hunter-Lab	88.6250, -14.2152, 43.5086

# Details

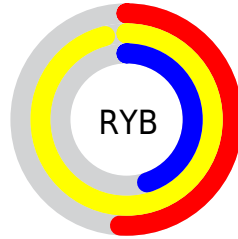
The Yxy color **78.5439, 0.3970, 0.4458** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.9834, 0.2131, 0.1755**, and the grayscale version is **74.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **42.3460, 0.4116, 0.4703** is the 20% darker color. If you saturate the color by 10%, you get **76.5920, 0.4107, 0.4627**, and if you desaturate by 10%, it is **80.6761, 0.3817, 0.4260**.

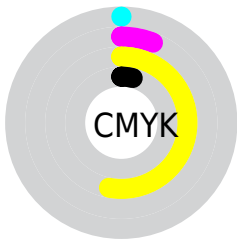
# Distribution



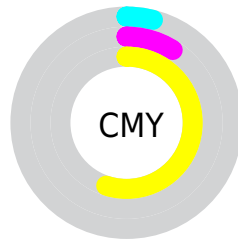
- Red (96%)
- Green (91%)
- Blue (45%)



- Red (51%)
- Yellow (96%)
- Blue (45%)



- Cyan (0%)
- Magenta (6%)
- Yellow (53%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5439, 0.3970, 0.4458 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 78.5439, 0.3970, 0.4458 by changing the saturation by 10% instead.





 78.5439, 0.3970,  
0.4458


 78.5439, 0.3970,  
0.4458


490.0120, 0.3613,  
0.3937


 58.5209, 0.4039,  
0.4567


 131.3166, 0.3855,  
0.4285

 42.2276, 0.4118,  
0.4695


 164.8350, 0.3808,  
0.4215

 29.2795, 0.4205,  
0.4845


 203.6207, 0.3766,  
0.4154

 19.2924, 0.4297,  
0.5020

248.0581, 0.3728,  
0.4100

 11.8817, 0.4384,  
0.5219

298.5315, 0.3695,  
0.4052

 6.6632, 0.4499,  
0.5501

355.4254, 0.3665,

 3.2524, 0.4395,

0.4010

419.1241, 0.3638,  
0.3972

0.5605

1.2649, 0.4213,  
0.5787

0.1138, 0.0000,  
1.0000

78.5439, 0.3970,  
0.4458

78.5439, 0.3970,  
0.4458

76.5920, 0.4107,  
0.4627

80.6761, 0.3817,  
0.4260

74.7970, 0.4221,  
0.4757

82.9887, 0.3656,  
0.4042


73.1482, 0.4310,  
0.4843

85.4953, 0.3492,  
0.3814

71.6284, 0.4369,  
0.4883

88.2052, 0.3330,  
0.3584

 70.6563, 0.4397,  
0.4891

 91.1270, 0.3175,  
0.3361

 93.7704, 0.3073,  
0.3219

 95.3887, 0.3073,  
0.3245

 97.0297, 0.3072,  
0.3270

 98.3247, 0.3072,  
0.3290

# Harmonies

## Analogous

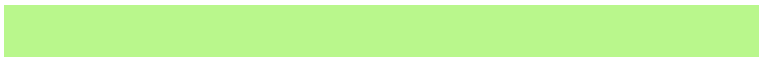
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5439, 0.4400, 0.4068



78.5439, 0.3970, 0.4458



78.5439, 0.3340, 0.4532

# Triad

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



78.5439, 0.3970, 0.4458



78.5439, 0.1942, 0.2782



78.5439, 0.3487, 0.2616

# Complementary

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



78.5439, 0.3970, 0.4458



25.9834, 0.2131, 0.1755

# 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.



78.5439, 0.2794, 0.2326



78.5439, 0.3970, 0.4458



78.5439, 0.1971, 0.2374

# Square

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



78.5439, 0.3970, 0.4458



78.5439, 0.2186, 0.3437



78.5439, 0.2262, 0.2233



78.5439, 0.4133, 0.3051



# Rectangle

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



78.5439, 0.3970, 0.4458



78.5439, 0.2896, 0.4319



78.5439, 0.2262, 0.2233



78.5439, 0.3248, 0.2500

# Sweetspot

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



78.5476, 0.3970, 0.4458



94.9063, 0.3375, 0.3648



33.4686, 0.4511, 0.3134



20.1828, 0.3408, 0.3695



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.



78.5476, 0.3970, 0.4458



82.9647, 0.4118, 0.4640



78.8259, 0.3541, 0.4751



18.9946, 0.3271, 0.3500



37.8543, 0.4393, 0.4894



3.4118, 0.4365, 0.4916



# Inverse Universe

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



25.9834, 0.2131, 0.1755



20.4580, 0.1920, 0.1406



26.9371, 0.2463, 0.1731



16.2104, 0.2979, 0.3072



4.0452, 0.1521, 0.0674

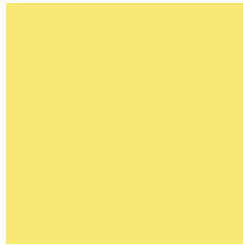


0.4476, 0.1563, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 78.5439, 0.3970, 0.4458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

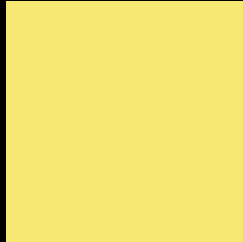
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5439, 0.3970, 0.4458 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 78.5439, 0.3970, 0.4458**

## Background



This preview shows how black text looks on a background with the Yxy color 78.5439, 0.3970, 0.4458.



This preview shows how white text looks on a background with the Yxy color 78.5439, 0.3970, 0.4458.

# 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

78.5439, 0.3970, 0.4458

### Protanopia

78.1362, 0.4045, 0.4416

### Deuteranopia

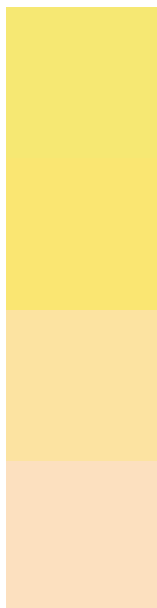
78.2021, 0.3600, 0.3658



## Tritanopia

78.4446, 0.3277, 0.3142

# Trichromacy



## Original Color

78.5439, 0.3970, 0.4458

## Protanomaly

78.1325, 0.4017, 0.4435

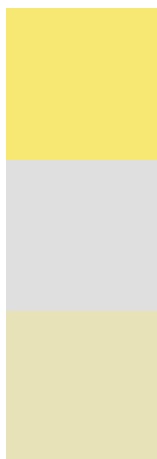
## Deuteranomaly

78.2068, 0.3756, 0.3967

## Tritanomaly

77.7683, 0.3557, 0.3630

# Monochromacy



## Original Color

78.5439, 0.3970, 0.4458

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.8423, 0.3443, 0.3746

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5439, 0.3970, 0.4458 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, 232, 115)` looks like.

```
.text, #text, p{  
    color:rgb(246, 232, 115)  
}
```

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, 232, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 232, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5439, 0.3970, 0.4458 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, 232, 115) }
```

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

```
.border{ border-color:rgb(246, 232, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 232, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 232, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 232, 115);  
box-shadow:4px 4px 4px 4px rgb(246, 232,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5439, 0.3970, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 232, 115) }
```

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

```
.background{ background-color: rgb(246,  
232, 115) }
```

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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