

# Converting Colors

$Yxy(78.5849, 0.4260, 0.4737)$

Have a look what the booklet for  
Yxy(78.5849, 0.4260, 0.4737)  
contains.

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# Color

**Yxy(78.8052, 0.4259, 0.4740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE742
RGB	255, 231, 66
RGB Percent	100%, 91%, 26%
CMY	0.0000, 0.0941, 0.7409
CMYK	0.00, 0.09, 0.74, 0.00
HSL	52°, 100%, 63%
HSV	52°, 74%, 100%
XYZ	70.8083, 78.8052, 16.6422
YIQ	219.3660, 67.2690, -46.2270

# Conversions

## Conversions Part 2

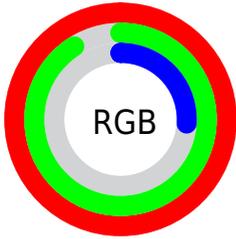
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 255, 66
Decimal	16770882
CIE <sub>Lab</sub>	91.15, -8.57, 77.80
CIE <sub>LCh</sub>	91, 78.272, 96.287
Yxy	78.8052, 0.4259, 0.4740
Android (android.graphics.Color)	4294960962 (0xFFFFE742)
YUV	219.3660, -75.6094, 31.2510
Hunter-Lab	88.7723, -12.9728, 51.0255

# Details

The Yxy color **78.8052, 0.4259, 0.4740** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **15.7043, 0.1761, 0.1154**, and the grayscale version is **71.6096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **42.5200, 0.4366, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **76.7700, 0.4351, 0.4819**, and if you desaturate by 10%, it is **81.0052, 0.4140, 0.4616**.

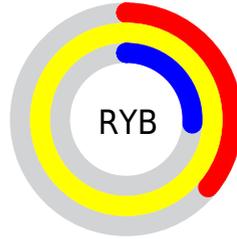
# Distribution



Red (100%)

Green (91%)

Blue (26%)



Red (36%)

Yellow (100%)

Blue (26%)

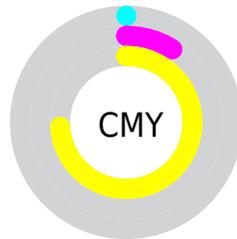


Cyan (0%)

Magenta (9%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8052, 0.4259, 0.4740 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 78.8052, 0.4259, 0.4740 by changing the saturation by 10% instead.

 78.8052, 0.4259,  
0.4740

 78.8052, 0.4259,  
0.4740

490.8971, 0.3808,  
0.4130

 58.7357, 0.4335,  
0.4853

 131.6846, 0.4123,  
0.4548

 42.4004, 0.4415,  
0.4978

 165.2632, 0.4064,  
0.4467

 29.4149, 0.4491,  
0.5111

 204.1137, 0.4010,  
0.4395

 19.3949, 0.4557,  
0.5247

 248.6204, 0.3962,  
0.4330

 11.9560, 0.4608,  
0.5392

 299.1676, 0.3918,  
0.4272

 6.7137, 0.4551,  
0.5449

356.1399, 0.3878,

 3.2837, 0.4462,

0.4220

0.5538

419.9216, 0.3841,  
0.4173

■ 1.2816, 0.4307,  
0.5693

■ 0.1269, 0.0000,  
1.0000

■ 78.8052, 0.4259,  
0.4740

■ 78.8052, 0.4259,  
0.4740

■ 76.7700, 0.4351,  
0.4819

■ 81.0052, 0.4140,  
0.4616

■ 74.8842, 0.4414,  
0.4852

■ 83.3900, 0.3998,  
0.4453

■ 73.8234, 0.4441,  
0.4856

■ 85.9722, 0.3842,  
0.4260

■ 88.7639, 0.3676,  
0.4046

■ 91.7762, 0.3509,  
0.3823

■ 95.0194, 0.3345,  
0.3598

■ 98.5030, 0.3189,  
0.3377

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

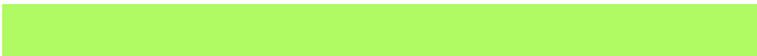
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8052, 0.4810, 0.4153



78.8052, 0.4259, 0.4740



78.8052, 0.3456, 0.4992

# Triad

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



78.8052, 0.4259, 0.4740



78.8052, 0.1635, 0.2672



78.8052, 0.3479, 0.2375

# Complementary

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



78.8052, 0.4259, 0.4740



15.7043, 0.1761, 0.1154

# 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.



78.8052, 0.2587, 0.2043



78.8052, 0.4259, 0.4740



78.8052, 0.1643, 0.2137

# Square

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



78.8052, 0.4259, 0.4740



78.8052, 0.1956, 0.3579



78.8052, 0.1958, 0.1949



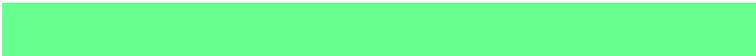
78.8052, 0.4382, 0.2890

# Rectangle

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



78.8052, 0.4259, 0.4740



78.8052, 0.2883, 0.4786



78.8052, 0.1958, 0.1949



78.8052, 0.3163, 0.2240

# Sweetspot

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



78.8038, 0.4259, 0.4740



92.4354, 0.3474, 0.3775



25.9237, 0.5394, 0.3101



19.6025, 0.3519, 0.3837



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.



78.8038, 0.4259, 0.4740



75.8274, 0.4385, 0.4841



82.3186, 0.3619, 0.5233



20.6736, 0.3272, 0.3496



38.7287, 0.4437, 0.4859



3.8762, 0.4405, 0.4885



# Inverse Universe

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



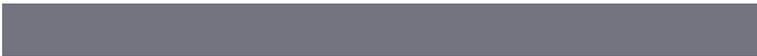
15.7043, 0.1761, 0.1154



10.3823, 0.1587, 0.0824



16.3032, 0.2108, 0.1144



17.7495, 0.2979, 0.3076



4.4382, 0.1526, 0.0694

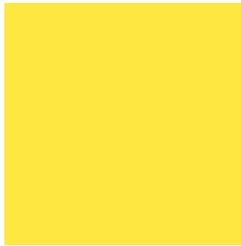


0.5431, 0.1569, 0.0847



# Previews

## White Background



This preview shows how the Yxy color 78.8052, 0.4259, 0.4740 looks on a white background.

## Color Contrast Check

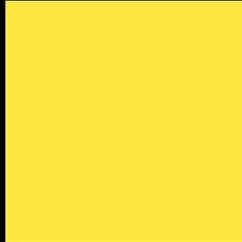
Large Text (above 18pt) WCAG AA × Fail

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 78.8052, 0.4259, 0.4740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

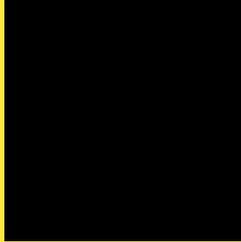
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

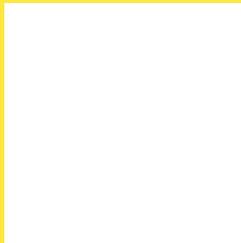
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.8052, 0.4259, 0.4740**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8052, 0.4259, 0.4740.



This preview shows how white text looks on a background with the Yxy color 78.8052, 0.4259, 0.4740.

# 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

78.8052, 0.4259, 0.4740

### Protanopia

78.7355, 0.4136, 0.4539

### Deuteranopia

78.6556, 0.3612, 0.3688



## Tritanopia

78.7424, 0.3304, 0.3191

# Trichromacy



## Original Color

78.8052, 0.4259, 0.4740

## Protanomaly

78.5255, 0.4190, 0.4621

## Deuteranomaly

78.1512, 0.3903, 0.4145

## Tritanomaly

78.0507, 0.3717, 0.3841

# Monochromacy



## Original Color

78.8052, 0.4259, 0.4740

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.5755, 0.3602, 0.3944

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8052, 0.4259, 0.4740 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(255, 231, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 66)  
}
```

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(255, 231, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8052, 0.4259, 0.4740 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(255, 231, 66) }
```

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

```
.border{ border-color:rgb(255, 231, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
66) }
```

# Background

The CSS property to change the background color of an element to Yxy 78.8052, 0.4259, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 66) }
```

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

```
.background{ background-color: rgb(255,  
231, 66) }
```

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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