

# Converting Colors

$Yxy(75.3588, 0.3927, 0.4612)$

Have a look what the booklet for  
Yxy(75.3588, 0.3927, 0.4612)  
contains.

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# Color

**Yxy(75.1200, 0.3924, 0.4607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E767
RGB	231, 231, 103
RGB Percent	91%, 91%, 40%
CMY	0.0940, 0.0941, 0.5962
CMYK	0.00, 0.00, 0.55, 0.09
HSL	60°, 73%, 65%
HSV	60°, 55%, 91%
XYZ	63.9833, 75.1200, 23.9530
YIQ	216.4080, 41.0880, -39.8080

# Conversions

## Conversions Part 2

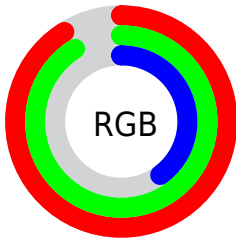
Format	Color
<a href="#">RYB</a>	<a href="#">103, 231, 103</a>
Decimal	<a href="#">15198055</a>
CIELab	<a href="#">89.45, -16.32, 61.07</a>
CIELCh	<a href="#">89, 63.217, 104.957</a>
Yxy	<a href="#">75.1200, 0.3924, 0.4607</a>
Android (android.graphics.Color)	<a href="#">4293388135 (0xFFE7E767)</a>
YUV	<a href="#">216.4080, -55.9101, 12.7972</a>
Hunter-Lab	<a href="#">86.6718, -19.9025, 44.2846</a>

# Details

The Yxy color **75.1200, 0.3924, 0.4607** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **18.3536, 0.2054, 0.1516**, and the grayscale version is **69.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **40.1483, 0.4049, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **74.7199, 0.4028, 0.4778**, and if you desaturate by 10%, it is **75.6551, 0.3799, 0.4401**.

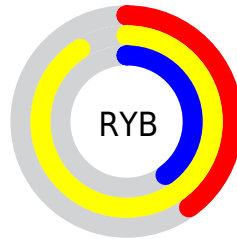
# Distribution



Red (91%)

Green (91%)

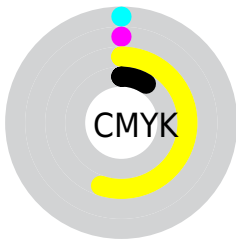
Blue (40%)



Red (40%)

Yellow (91%)

Blue (40%)

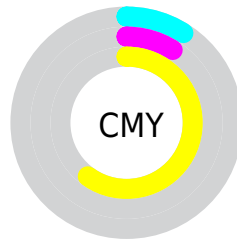


Cyan (0%)

Magenta (0%)

Yellow (55%)

Black (9%)



Cyan (9%)

Magenta (9%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1200, 0.3924, 0.4607 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 75.1200, 0.3924, 0.4607 by changing the saturation by 10% instead.




 75.1200, 0.3924,  
0.4607

 75.1200, 0.3924,  
0.4607


478.3299, 0.3594,  
0.4010


 55.7112, 0.3985,  
0.4733


 126.4822, 0.3820,  
0.4406


 39.9714, 0.4051,  
0.4882


 159.2044, 0.3777,  
0.4326

 27.5163, 0.4120,  
0.5058


 197.1332, 0.3738,  
0.4256

 17.9613, 0.4184,  
0.5263

 240.6530, 0.3703,  
0.4195

 10.9222, 0.4240,  
0.5515

290.1482, 0.3671,  
0.4140

 6.0146, 0.4227,  
0.5773

346.0031, 0.3643,

 2.8539, 0.4038,

0.4092

0.5962

408.6022, 0.3617,  
0.4049

■ 1.0560, 0.3608,  
0.6392

■ 0.0000, 0.0000,  
0.0000

■ 75.1200, 0.3924,  
0.4607

■ 75.1200, 0.3924,  
0.4607

■ 74.7199, 0.4028,  
0.4778

■ 75.6551, 0.3799,  
0.4401

■ 74.4337, 0.4107,  
0.4909


■ 76.3245, 0.3660,  
0.4170


■ 74.2520, 0.4159,  
0.4996

■ 77.1403, 0.3511,  
0.3924

■ 74.1595, 0.4186,  
0.5041


■ 78.1106, 0.3358,  
0.3672

 74.1354, 0.4193,  
0.5052

 79.2426, 0.3207,  
0.3422

 80.5433, 0.3061,  
0.3181

 81.3790, 0.2980,  
0.3047

 81.3811, 0.2980,  
0.3047

 81.3832, 0.2980,  
0.3047

# Harmonies

## Analogous

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



75.1200, 0.4449, 0.4208



75.1200, 0.3924, 0.4607



75.1200, 0.3221, 0.4622

# Triad

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



75.1200, 0.3924, 0.4607



75.1200, 0.1832, 0.2631



75.1200, 0.3652, 0.2633

# Complementary

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



75.1200, 0.3924, 0.4607



18.3536, 0.2054, 0.1516

# 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.



75.1200, 0.2884, 0.2291



75.1200, 0.3924, 0.4607



75.1200, 0.1914, 0.2249

# Square

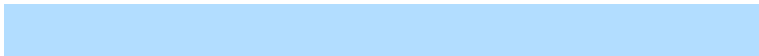
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1200, 0.3924, 0.4607



75.1200, 0.2038, 0.3305



75.1200, 0.2271, 0.2149



75.1200, 0.4324, 0.3117



# Rectangle

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



75.1200, 0.3924, 0.4607



75.1200, 0.2747, 0.4329



75.1200, 0.2271, 0.2149



75.1200, 0.3392, 0.2500

# Sweetspot

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



75.1235, 0.3924, 0.4607



97.5114, 0.3384, 0.3714



27.7111, 0.4766, 0.3272



20.8170, 0.3415, 0.3765



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.



75.1235, 0.3924, 0.4607



93.4051, 0.4045, 0.4807



66.5924, 0.3456, 0.4854



16.8168, 0.3268, 0.3522



41.5530, 0.4193, 0.5052



3.0707, 0.4193, 0.5052



# Inverse Universe

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



18.3536, 0.2054, 0.1516



15.4799, 0.1822, 0.1133



23.4522, 0.2546, 0.1718



13.8876, 0.2980, 0.3047



3.2351, 0.1500, 0.0600

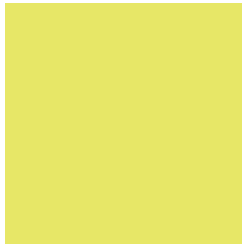


0.2392, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 75.1200, 0.3924, 0.4607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

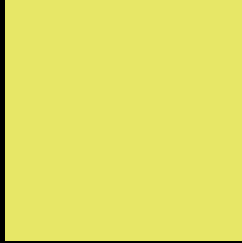
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.1200, 0.3924, 0.4607 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 75.1200, 0.3924, 0.4607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1200, 0.3924, 0.4607.



This preview shows how white text looks on a background with the Yxy color 75.1200, 0.3924, 0.4607.

# 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

75.1200, 0.3924, 0.4607

### Protanopia

74.9297, 0.4106, 0.4502

### Deuteranopia

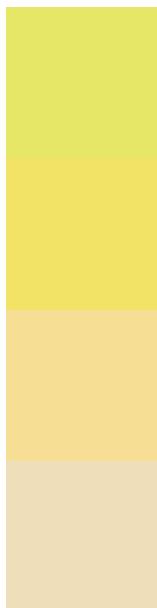
74.9402, 0.3722, 0.3763



## Tritanopia

74.7993, 0.3207, 0.3117

# Trichromacy



## Original Color

75.1200, 0.3924, 0.4607

## Protanomaly

74.7747, 0.4035, 0.4538

## Deuteranomaly

74.5063, 0.3812, 0.4072

## Tritanomaly

74.1384, 0.3498, 0.3675

# Monochromacy



## Original Color

75.1200, 0.3924, 0.4607

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

70.1802, 0.3440, 0.3807

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1200, 0.3924, 0.4607 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(231, 231, 103)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 103)  
}
```

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(231, 231, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1200, 0.3924, 0.4607 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(231, 231, 103) }
```

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

```
.border{ border-color:rgb(231, 231, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 103);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1200, 0.3924, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 103) }
```

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

```
.background{ background-color: rgb(231,  
231, 103) }
```

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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