

# Converting Colors

Yxy(74.4746, 0.4090, 0.4851)

Have a look what the booklet for  
Yxy(74.4746, 0.4090, 0.4851)  
contains.

<b>Yxy(74.7010, 0.4086, 0.4857)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(74.7010, 0.4086, 0.4857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E742
RGB	232, 231, 66
RGB Percent	91%, 91%, 26%
CMY	0.0901, 0.0941, 0.7413
CMYK	0.00, 0.00, 0.72, 0.09
HSL	60°, 78%, 58%
HSV	60°, 72%, 91%
XYZ	62.8430, 74.7010, 16.2567
YIQ	212.4890, 53.5610, -51.1030

# Conversions

## Conversions Part 2

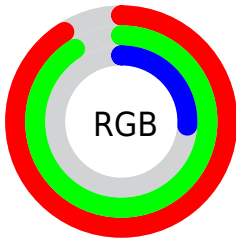
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 232, 66
Decimal	15263554
CIELab	89.25, -18.09, 75.37
CIELCh	89, 77.509, 103.495
Yxy	74.7010, 0.4086, 0.4857
Android (android.graphics.Color)	4293453634 (0xFFE8E742)
YUV	212.4890, -72.2191, 17.1111
Hunter-Lab	86.4297, -21.4649, 49.3488

# Details

The Yxy color **74.7010, 0.4086, 0.4857** 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 **10.9996, 0.1754, 0.1025**, and the grayscale version is **66.6475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **39.9349, 0.4164, 0.5076** is the 20% darker color. If you saturate the color by 10%, you get **74.4042, 0.4150, 0.4960**, and if you desaturate by 10%, it is **75.1157, 0.3996, 0.4711**.

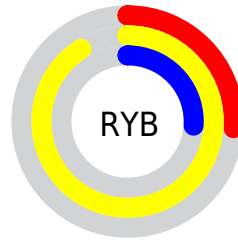
# Distribution



Red (91%)

Green (91%)

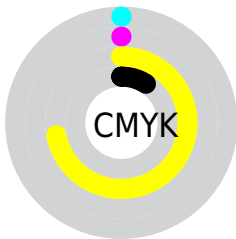
Blue (26%)



Red (26%)

Yellow (91%)

Blue (26%)

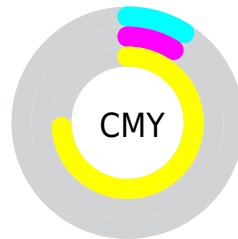


Cyan (0%)

Magenta (0%)

Yellow (72%)

Black (9%)



Cyan (9%)

Magenta (9%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7010, 0.4086, 0.4857 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 74.7010, 0.4086, 0.4857 by changing the saturation by 10% instead.



 74.7010, 0.4086,  
0.4857

 74.7010, 0.4086,  
0.4857


476.8892, 0.3711,  
0.4167


 55.3680, 0.4146,  
0.4993


 125.8890, 0.3975,  
0.4633

 39.6964, 0.4205,  
0.5147


 158.5128, 0.3926,  
0.4541


 27.3019, 0.4255,  
0.5318


 196.3356, 0.3882,  
0.4460

 17.8001, 0.4287,  
0.5506

 239.7419, 0.3841,  
0.4387

 10.8066, 0.4286,  
0.5714

 289.1160, 0.3804,  
0.4323

 5.9369, 0.4151,  
0.5849

344.8423, 0.3770,

 2.8068, 0.3939,

0.4266

0.6061

407.3053, 0.3739,  
0.4214

■ 1.0317, 0.3402,  
0.6598

■ 0.0000, 0.0000,  
0.0000

■ 74.7010, 0.4086,  
0.4857

■ 74.7010, 0.4086,  
0.4857

■ 74.4042, 0.4150,  
0.4960

■ 75.1157, 0.3996,  
0.4711


■ 74.2005, 0.4188,  
0.5020

■ 75.6499, 0.3882,  
0.4526


■ 74.0842, 0.4204,  
0.5044


■ 76.3175, 0.3749,  
0.4310


■ 77.1277, 0.3604,  
0.4073

 78.0891, 0.3453,  
0.3824

 79.2096, 0.3300,  
0.3573

 80.4963, 0.3150,  
0.3328

 81.9562, 0.3007,  
0.3092

 82.2539, 0.2987,  
0.3060

# Harmonies

## Analogous

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



74.7010, 0.4723, 0.4311



74.7010, 0.4086, 0.4857



74.7010, 0.3247, 0.4973

# Triad

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



74.7010, 0.4086, 0.4857



74.7010, 0.1598, 0.2501



74.7010, 0.3715, 0.2479

# Complementary

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



74.7010, 0.4086, 0.4857



10.9996, 0.1754, 0.1025

# 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.



74.7010, 0.2779, 0.2095



74.7010, 0.4086, 0.4857



74.7010, 0.1682, 0.2054

# Square

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



74.7010, 0.4086, 0.4857



74.7010, 0.1838, 0.3334



74.7010, 0.2073, 0.1940



74.7010, 0.4565, 0.3029



# Rectangle

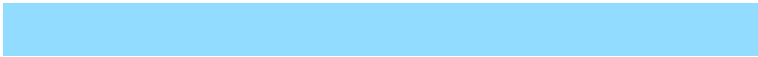
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7010, 0.4086, 0.4857



74.7010, 0.2681, 0.4640



74.7010, 0.2073, 0.1940



74.7010, 0.3392, 0.2329

# Sweetspot

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



74.7045, 0.4086, 0.4857



96.8080, 0.3446, 0.3813



21.4802, 0.5533, 0.3274



20.6455, 0.3488, 0.3882



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.



74.7045, 0.4086, 0.4857



92.0469, 0.4172, 0.4995



64.7721, 0.3478, 0.5269



16.8012, 0.3268, 0.3521



41.1271, 0.4204, 0.5044



3.0441, 0.4202, 0.5045



# Inverse Universe

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



10.9996, 0.1754, 0.1025



8.9160, 0.1571, 0.0721



15.8540, 0.2325, 0.1297



13.9013, 0.2980, 0.3048



3.2583, 0.1501, 0.0604

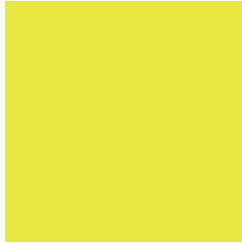


0.2458, 0.1504, 0.0615



# Previews

## White Background



This preview shows how the Yxy color 74.7010, 0.4086, 0.4857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

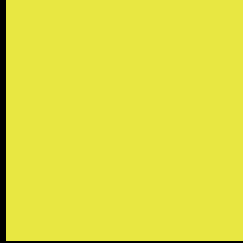
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7010, 0.4086, 0.4857 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 74.7010, 0.4086, 0.4857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7010, 0.4086, 0.4857.



This preview shows how white text looks on a background with the Yxy color 74.7010, 0.4086, 0.4857.

# 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

74.7010, 0.4086, 0.4857

### Protanopia

74.7298, 0.4279, 0.4728

### Deuteranopia

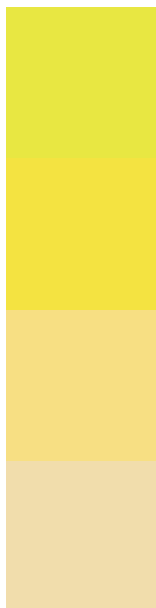
74.2300, 0.3761, 0.3804



## Tritanopia

74.5308, 0.3236, 0.3127

# Trichromacy



## Original Color

74.7010, 0.4086, 0.4857

## Protanomaly

74.5529, 0.4208, 0.4773

## Deuteranomaly

74.1882, 0.3929, 0.4235

## Tritanomaly

73.3922, 0.3614, 0.3813

# Monochromacy



## Original Color

74.7010, 0.4086, 0.4857

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

68.2263, 0.3539, 0.3971

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7010, 0.4086, 0.4857 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(232, 231, 66)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 231, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 231, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7010, 0.4086, 0.4857 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(232, 231, 66) }
```

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

```
.border{ border-color:rgb(232, 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(232, 231, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 231, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 231, 66);  
box-shadow:4px 4px 4px 4px rgb(232, 231,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7010, 0.4086, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 231, 66) }
```

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

```
.background{ background-color: rgb(232,  
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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