

# Converting Colors

Yxy(85.4855, 0.4103, 0.4690)

Have a look what the booklet for  
Yxy(85.4855, 0.4103, 0.4690)  
contains.

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# Color

**Yxy(85.4855, 0.4103, 0.4690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF259
RGB	255, 242, 89
RGB Percent	100%, 95%, 35%
CMY	0.0001, 0.0509, 0.6511
CMYK	0.00, 0.05, 0.65, 0.00
HSL	55°, 100%, 67%
HSV	55°, 65%, 100%
XYZ	74.7861, 85.4855, 22.0002
YIQ	228.4450, 56.8610, -44.8270

# Conversions

## Conversions Part 2

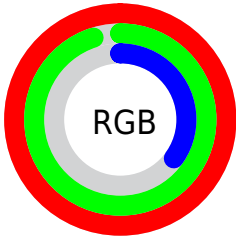
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 255, 89
Decimal	16773721
CIE <sub>Lab</sub>	94.09, -12.94, 72.45
CIE <sub>LCh</sub>	94, 73.600, 100.123
Yxy	85.4855, 0.4103, 0.4690
Android (android.graphics.Color)	4294963801 (0xFFFFF259)
YUV	228.4450, -68.7464, 23.2887
Hunter-Lab	92.4584, -17.4201, 50.6130

# Details

The Yxy color **85.4855, 0.4103, 0.4690** 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 **18.8261, 0.1888, 0.1321**, and the grayscale version is **78.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8553, 0.3766, 0.4347**, and **46.7818, 0.4246, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **83.9549, 0.4204, 0.4815**, and if you desaturate by 10%, it is **87.1852, 0.3978, 0.4525**.

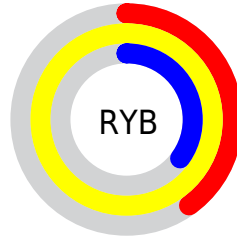
# Distribution



Red (100%)

Green (95%)

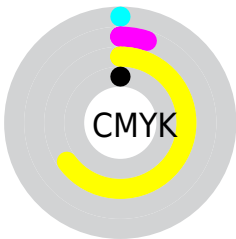
Blue (35%)



Red (40%)

Yellow (100%)

Blue (35%)

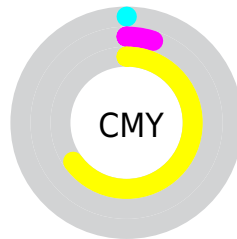


Cyan (0%)

Magenta (5%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4855, 0.4103, 0.4690 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 85.4855, 0.4103, 0.4690 by changing the saturation by 10% instead.




 85.4855, 0.4103,  
0.4690


 85.4855, 0.4103,  
0.4690


513.2332, 0.3715,  
0.4090

 64.2426, 0.4170,  
0.4807


 141.0513, 0.3985,  
0.4496


 46.8472, 0.4242,  
0.4941


 176.1430, 0.3934,  
0.4417

 32.9149, 0.4314,  
0.5090


 216.6197, 0.3888,  
0.4346

 22.0612, 0.4379,  
0.5254

 262.8659, 0.3846,  
0.4283

 13.9019, 0.4447,  
0.5456

315.2660, 0.3809,  
0.4227

 8.0525, 0.4412,  
0.5588

374.2043, 0.3774,

 4.1285, 0.4294,

0.4176

0.5706

440.0652, 0.3743,  
0.4131

■ 1.7457, 0.4095,  
0.5905

■ 0.4530, 0.2022,  
0.7978

■ 85.4855, 0.4103,  
0.4690

■ 85.4855, 0.4103,  
0.4690

■ 83.9549, 0.4204,  
0.4815

■ 87.1852, 0.3978,  
0.4525

■ 82.5653, 0.4278,  
0.4894

■ 89.0559, 0.3835,  
0.4327

■ 81.3009, 0.4324,  
0.4930

■ 91.1137, 0.3680,  
0.4107

■ 80.7142, 0.4340,  
0.4936

■ 93.3698, 0.3519,  
0.3874

■ 95.8344, 0.3359,  
0.3638

■ 98.5168, 0.3204,  
0.3406

99.9945, 0.3127,  
0.3290

# Harmonies

## Analogous

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



85.4855, 0.4643, 0.4187



85.4855, 0.4103, 0.4690



85.4855, 0.3344, 0.4826

# Triad

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



85.4855, 0.4103, 0.4690



85.4855, 0.1723, 0.2648



85.4855, 0.3567, 0.2495

# Complementary

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



85.4855, 0.4103, 0.4690



18.8261, 0.1888, 0.1321

# 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.



85.4855, 0.2727, 0.2156



85.4855, 0.4103, 0.4690



85.4855, 0.1766, 0.2186

# Square

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



85.4855, 0.4103, 0.4690



85.4855, 0.1990, 0.3442



85.4855, 0.2102, 0.2040



85.4855, 0.4363, 0.2997



# Rectangle

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



85.4855, 0.4103, 0.4690



85.4855, 0.2816, 0.4570



85.4855, 0.2102, 0.2040



85.4855, 0.3275, 0.2360

# Sweetspot

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



85.4895, 0.4103, 0.4690



94.6267, 0.3437, 0.3754



29.3680, 0.5103, 0.3173



20.1074, 0.3482, 0.3820



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.



85.4895, 0.4103, 0.4690



83.5605, 0.4228, 0.4842



82.6364, 0.3549, 0.5078



20.8338, 0.3271, 0.3507



42.2875, 0.4337, 0.4938



4.1865, 0.4319, 0.4953



# Inverse Universe

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



18.8261, 0.1888, 0.1321



12.6495, 0.1684, 0.0969



21.6389, 0.2317, 0.1403



17.6053, 0.2978, 0.3063



4.1121, 0.1514, 0.0648

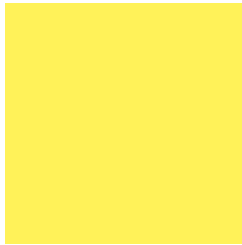


0.4753, 0.1543, 0.0754



# Previews

## White Background



This preview shows how the Yxy color 85.4855, 0.4103, 0.4690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

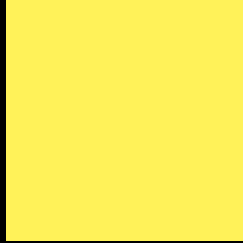
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4855, 0.4103, 0.4690 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 85.4855, 0.4103, 0.4690**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4855, 0.4103, 0.4690.

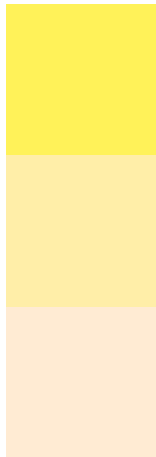


This preview shows how white text looks on a background with the Yxy color 85.4855, 0.4103, 0.4690.

# 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**

85.4855, 0.4103, 0.4690

**Protanopia**

85.2362, 0.3695, 0.3993

**Deuteranopia**

85.3798, 0.3420, 0.3531



## Tritanopia

85.3241, 0.3227, 0.3202

# Trichromacy



## Original Color

85.4855, 0.4103, 0.4690



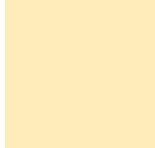
## Protanomaly

84.8571, 0.3870, 0.4277



## Deuteranomaly

85.1991, 0.3702, 0.4003



## Tritanomaly

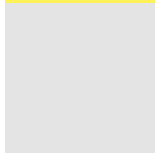
84.7961, 0.3584, 0.3794

# Monochromacy



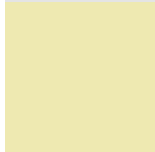
## Original Color

85.4855, 0.4103, 0.4690



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.6293, 0.3527, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4855, 0.4103, 0.4690 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, 242, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 89)  
}
```

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, 242, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4855, 0.4103, 0.4690 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, 242, 89) }
```

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

```
.border{ border-color:rgb(255, 242, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4855, 0.4103, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 89) }
```

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

```
.background{ background-color: rgb(255,  
242, 89) }
```

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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