

# Converting Colors

$Y_{xy}(84.7569, 0.4142, 0.4967)$

Have a look what the booklet for  
Yxy(84.7569, 0.4142, 0.4967)  
contains.

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**Color**

**Yxy(84.9145, 0.4141, 0.4967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F52E
RGB	245, 245, 46
RGB Percent	96%, 96%, 18%
CMY	0.0394, 0.0392, 0.8194
CMYK	0.00, 0.00, 0.81, 0.04
HSL	60°, 91%, 57%
HSV	60°, 81%, 96%
XYZ	70.7934, 84.9145, 15.2494
YIQ	222.3140, 63.8790, -61.8890

# Conversions

## Conversions Part 2

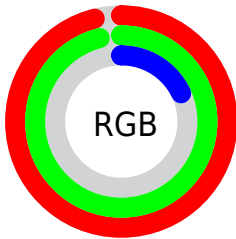
Format	Color
R <sub>Y</sub> B	46, 245, 46
Decimal	16119086
CIE Lab	93.85, -20.24, 85.53
CIE LCh	94, 87.890, 103.316
Yxy	84.9145, 0.4141, 0.4967
Android (android.graphics.Color)	4294309166 (0xFFFF5F52E)
YUV	222.3140, -86.9228, 19.8956
Hunter-Lab	92.1491, -24.1284, 54.6927

# Details

The Yxy color **84.9145, 0.4141, 0.4967** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.1363, 0.1618, 0.0795**, and the grayscale version is **73.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **46.5855, 0.4147, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **84.7758, 0.4178, 0.5028**, and if you desaturate by 10%, it is **85.1713, 0.4078, 0.4862**.

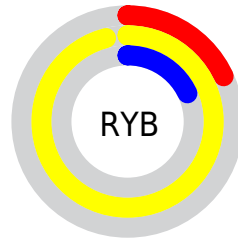
# Distribution



Red (96%)

Green (96%)

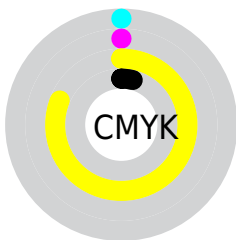
Blue (18%)



Red (18%)

Yellow (96%)

Blue (18%)

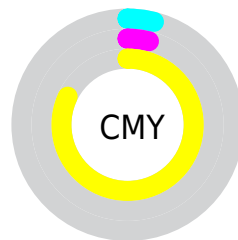


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9145, 0.4141, 0.4967 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 84.9145, 0.4141, 0.4967 by changing the saturation by 10% instead.




 84.9145, 0.4141,  
0.4967


 84.9145, 0.4141,  
0.4967


511.3451, 0.3770,  
0.4260

 63.7707, 0.4194,  
0.5099


 140.2537, 0.4037,  
0.4744

 46.4650, 0.4243,  
0.5244


 175.2180, 0.3989,  
0.4650


 32.6129, 0.4280,  
0.5401


 215.5578, 0.3945,  
0.4567

 21.8301, 0.4298,  
0.5572

 261.6577, 0.3904,  
0.4492

 13.7321, 0.4265,  
0.5735

 313.9019, 0.3866,  
0.4425

 7.9346, 0.4140,  
0.5860

372.6750, 0.3831,

 4.0531, 0.3948,

0.4364

0.6052

438.3613, 0.3799,  
0.4309

■ 1.7033, 0.3625,  
0.6375

■ 0.4258, 0.0000,  
1.0000

■ 84.9145, 0.4141,  
0.4967

■ 84.9145, 0.4141,  
0.4967

■ 84.7758, 0.4178,  
0.5028


■ 85.1713, 0.4078,  
0.4862


■ 84.7185, 0.4193,  
0.5053


■ 85.5505, 0.3988,  
0.4714


■ 86.0698, 0.3875,  
0.4527


■ 86.7412, 0.3744,  
0.4310

 87.5751, 0.3599,  
0.4070

 88.5813, 0.3447,  
0.3820

 89.7687, 0.3294,  
0.3567

 91.1455, 0.3145,  
0.3319

 91.9512, 0.3068,  
0.3193

# Harmonies

## Analogous

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



84.9145, 0.4835, 0.4353



84.9145, 0.4141, 0.4967



84.9145, 0.3242, 0.5133

# Triad

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



84.9145, 0.4141, 0.4967



84.9145, 0.1496, 0.2433



84.9145, 0.3753, 0.2417

# Complementary

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



84.9145, 0.4141, 0.4967



9.1363, 0.1618, 0.0795

# 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.



84.9145, 0.2741, 0.2013



84.9145, 0.4141, 0.4967



84.9145, 0.1585, 0.1965

# Square

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



84.9145, 0.4141, 0.4967



84.9145, 0.1743, 0.3334



84.9145, 0.1993, 0.1849



84.9145, 0.4683, 0.2994



# Rectangle

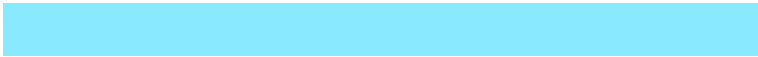
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9145, 0.4141, 0.4967



84.9145, 0.2637, 0.4781



84.9145, 0.1993, 0.1849



84.9145, 0.3402, 0.2259

# Sweetspot

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



84.9185, 0.4141, 0.4967



96.6630, 0.3491, 0.3892



21.5723, 0.5984, 0.3298



20.6051, 0.3545, 0.3981



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.



84.9185, 0.4141, 0.4967



92.7844, 0.4189, 0.5046



71.5815, 0.3441, 0.5483



19.3134, 0.3268, 0.3524



45.6328, 0.4193, 0.5053



4.0107, 0.4193, 0.5053



# Inverse Universe

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



9.1363, 0.1618, 0.0795



7.4359, 0.1510, 0.0616



14.6217, 0.2223, 0.1112



15.9270, 0.2979, 0.3045



3.5519, 0.1500, 0.0600

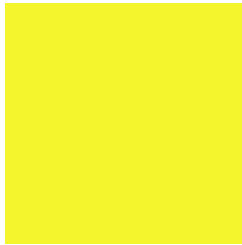


0.3122, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 84.9145, 0.4141, 0.4967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

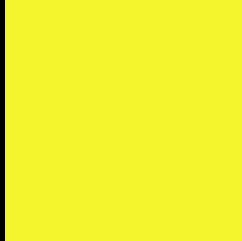
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9145, 0.4141, 0.4967 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 84.9145, 0.4141, 0.4967**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9145, 0.4141, 0.4967.



This preview shows how white text looks on a background with the Yxy color 84.9145, 0.4141, 0.4967.

# 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

84.9145, 0.4141, 0.4967

### Protanopia

84.4370, 0.3737, 0.4043

### Deuteranopia

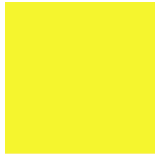
84.6597, 0.3442, 0.3551



## Tritanopia

84.3853, 0.3209, 0.3153

# Trichromacy



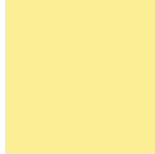
## Original Color

84.9145, 0.4141, 0.4967



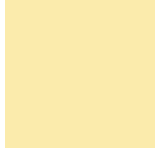
## Protanomaly

84.1855, 0.3941, 0.4463



## Deuteranomaly

83.8282, 0.3785, 0.4187



## Tritanomaly

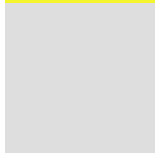
82.9044, 0.3649, 0.3932

# Monochromacy



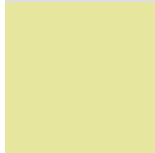
## Original Color

84.9145, 0.4141, 0.4967



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.8852, 0.3599, 0.4070

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9145, 0.4141, 0.4967 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(245, 245, 46)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 46)  
}
```

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(245, 245, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9145, 0.4141, 0.4967 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(245, 245, 46) }
```

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

```
.border{ border-color:rgb(245, 245, 46) }
```

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

Here you see how a box with a 4 pixel rgb(245, 245, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 46);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9145, 0.4141, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 46) }
```

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

```
.background{ background-color: rgb(245,  
245, 46) }
```

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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