

# Converting Colors

$Yxy(94.8407, 0.4411, 0.4375)$

Have a look what the booklet for  
Yxy(94.8407, 0.4411, 0.4375)  
contains.

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# Color

**Yxy(83.9925, 0.4055, 0.4565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF68
RGB	255, 239, 104
RGB Percent	100%, 94%, 41%
CMY	0.0000, 0.0627, 0.5919
CMYK	0.00, 0.06, 0.59, 0.00
HSL	54°, 100%, 70%
HSV	54°, 59%, 100%
XYZ	74.6089, 83.9925, 25.3909
YIQ	228.3940, 52.8710, -38.5930

# Conversions

## Conversions Part 2

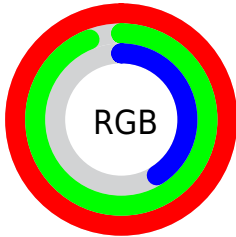
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	122, 255, 104
Decimal	16772968
CIE Lab	93.45, -10.52, 65.60
CIE LCh	93, 66.437, 99.113
Yxy	83.9925, 0.4055, 0.4565
Android (android.graphics.Color)	4294963048 (0xFFFFEF68)
YUV	228.3940, -61.3262, 23.3335
Hunter-Lab	91.6474, -15.0686, 47.7269

# Details

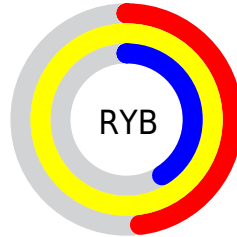
The Yxy color **83.9925, 0.4055, 0.4565** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.6126, 0.2010, 0.1557**, and the grayscale version is **78.3215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **45.6743, 0.4204, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **81.9823, 0.4179, 0.4712**, and if you desaturate by 10%, it is **86.1890, 0.3911, 0.4383**.

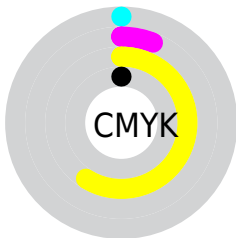
# Distribution



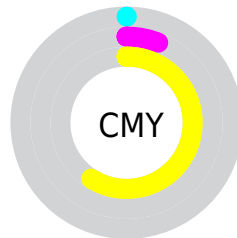
- Red (100%)
- Green (94%)
- Blue (41%)



- Red (48%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (6%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9925, 0.4055, 0.4565 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 83.9925, 0.4055, 0.4565 by changing the saturation by 10% instead.





 83.9925, 0.4055,  
0.4565

 83.9925, 0.4055,  
0.4565

508.2883, 0.3674,  
0.4011


 63.0092, 0.4125,  
0.4676


 138.9647, 0.3936,  
0.4384


 45.8487, 0.4203,  
0.4805

 173.7224, 0.3885,  
0.4310

 32.1264, 0.4286,  
0.4951


 213.8404, 0.3840,  
0.4245

 21.4581, 0.4368,  
0.5117

 259.7031, 0.3800,  
0.4188

 13.4593, 0.4443,  
0.5301

311.6948, 0.3764,  
0.4136

 7.7456, 0.4495,  
0.5505

370.2000, 0.3731,

 3.9326, 0.4397,

0.4090

0.5603

435.6030, 0.3701,  
0.4049

■ 1.6359, 0.4230,  
0.5770

■ 0.3816, 0.2172,  
0.7828

■ 83.9925, 0.4055,  
0.4565

■ 83.9925, 0.4055,  
0.4565

■ 81.9823, 0.4179,  
0.4712

■ 86.1890, 0.3911,  
0.4383

■ 80.1347, 0.4278,  
0.4815


■ 88.5758, 0.3754,  
0.4175

■ 78.4352, 0.4349,  
0.4873

■ 91.1673, 0.3590,  
0.3952

■ 76.8577, 0.4393,  
0.4890

■ 93.9742, 0.3426,  
0.3722

 76.7331, 0.4397,  
0.4891

 97.0062, 0.3267,  
0.3493

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

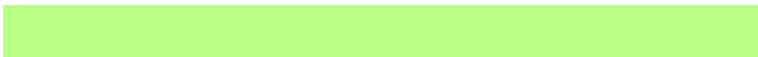
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9925, 0.4531, 0.4115



83.9925, 0.4055, 0.4565



83.9925, 0.3364, 0.4679

# Triad

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



83.9925, 0.4055, 0.4565



83.9925, 0.1836, 0.2733



83.9925, 0.3505, 0.2545

# Complementary

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



83.9925, 0.4055, 0.4565



23.6126, 0.2010, 0.1557

# 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.



83.9925, 0.2742, 0.2235



83.9925, 0.4055, 0.4565



83.9925, 0.1864, 0.2288

# Square

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



83.9925, 0.4055, 0.4565



83.9925, 0.2100, 0.3463



83.9925, 0.2170, 0.2137



83.9925, 0.4229, 0.3011



# Rectangle

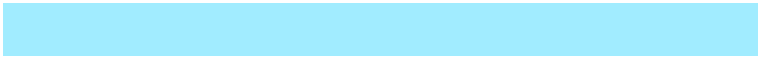
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9925, 0.4055, 0.4565



83.9925, 0.2877, 0.4455



83.9925, 0.2170, 0.2137



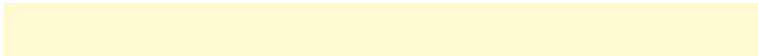
83.9925, 0.3240, 0.2421

# Sweetspot

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



83.9955, 0.4055, 0.4565



94.3239, 0.3407, 0.3694



32.5692, 0.4767, 0.3125



20.0078, 0.3454, 0.3761



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.



83.9955, 0.4055, 0.4565



81.6366, 0.4199, 0.4734



84.4097, 0.3567, 0.4910



20.7424, 0.3272, 0.3500



40.2276, 0.4393, 0.4894



4.0073, 0.4367, 0.4914



# Inverse Universe

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



23.6126, 0.2010, 0.1557



16.5268, 0.1799, 0.1199



24.8052, 0.2367, 0.1549



17.6874, 0.2979, 0.3070



4.2825, 0.1520, 0.0672



0.5140, 0.1558, 0.0807



# Previews

## White Background



This preview shows how the Yxy color 83.9925, 0.4055, 0.4565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

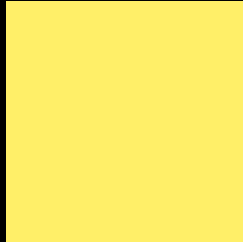
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.9925, 0.4055, 0.4565 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 83.9925, 0.4055, 0.4565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.9925, 0.4055, 0.4565.

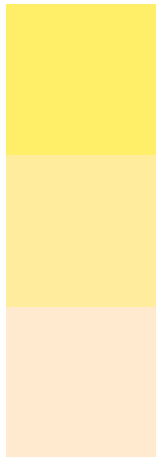


This preview shows how white text looks on a background with the Yxy color 83.9925, 0.4055, 0.4565.

# 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

83.9925, 0.4055, 0.4565

### Protanopia

83.6852, 0.3772, 0.4083

### Deuteranopia

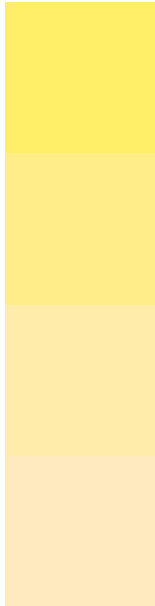
84.0428, 0.3450, 0.3552



## Tritanopia

84.1449, 0.3235, 0.3192

# Trichromacy



## Original Color

83.9925, 0.4055, 0.4565

## Protanomaly

83.6634, 0.3884, 0.4269

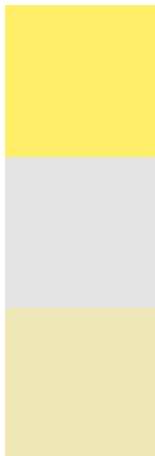
## Deuteranomaly

83.5789, 0.3692, 0.3946

## Tritanomaly

83.2994, 0.3558, 0.3715

# Monochromacy



## Original Color

83.9925, 0.4055, 0.4565

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

79.3093, 0.3489, 0.3808

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.9925, 0.4055, 0.4565 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, 239, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 104)  
}
```

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, 239, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 83.9925, 0.4055, 0.4565 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, 239, 104) }
```

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

```
.border{ border-color:rgb(255, 239, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.9925, 0.4055, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 104) }
```

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

```
.background{ background-color: rgb(255,  
239, 104) }
```

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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