

# Converting Colors

$Yxy(88.8565, 0.4054, 0.4769)$

Have a look what the booklet for  
Yxy(88.8565, 0.4054, 0.4769)  
contains.

|  |    |
|--|----|
| <b>Yxy(89.1187, 0.4052, 0.4770)</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(89.1187, 0.4052, 0.4770)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FCF956                      |
| RGB         | 252, 249, 86                |
| RGB Percent | 99%, 98%, 34%               |
| CMY         | 0.0117, 0.0235, 0.6629      |
| CMYK        | 0.00, 0.01, 0.66, 0.01      |
| HSL         | 59°, 97%, 66%               |
| HSV         | 59°, 66%, 99%               |
| XYZ         | 75.7042, 89.1187, 22.0088   |
| YIQ         | 231.3150, 54.1110, -50.0570 |

# Conversions

## Conversions Part 2

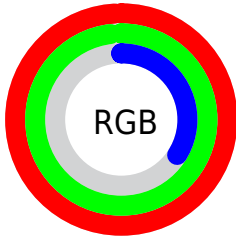
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">89, 252, 86</a>                 |
| Decimal                             | <a href="#">16578902</a>                    |
| CIELab                              | <a href="#">95.63, -17.68, 75.09</a>        |
| CIELCh                              | <a href="#">96, 77.145, 103.252</a>         |
| Yxy                                 | <a href="#">89.1187, 0.4052, 0.4770</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4294768982<br/>(0xFFFCF956)</a> |
| YUV                                 | <a href="#">231.3150, -71.6403, 18.1407</a> |
| Hunter-Lab                          | <a href="#">94.4027, -22.0605, 52.2592</a>  |

# Details

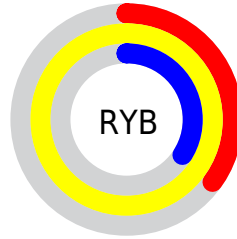
The Yxy color **89.1187, 0.4052, 0.4770** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.1493, 0.1850, 0.1196**, and the grayscale version is **80.6744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **49.3755, 0.4171, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **88.5032, 0.4134, 0.4896**, and if you desaturate by 10%, it is **89.8863, 0.3945, 0.4602**.

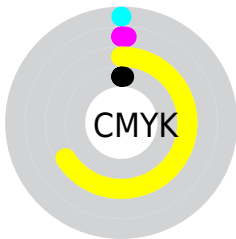
# Distribution



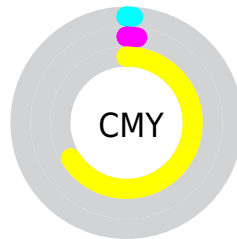
- Red (99%)
- Green (98%)
- Blue (34%)



- Red (35%)
- Yellow (99%)
- Blue (34%)



- Cyan (0%)
- Magenta (1%)
- Yellow (66%)
- Black (1%)




- Cyan (1%)
- Magenta (2%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1187, 0.4052, 0.4770 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 89.1187, 0.4052, 0.4770 by changing the saturation by 10% instead.





 89.1187, 0.4052,  
0.4770


 89.1187, 0.4052,  
0.4770

525.1598, 0.3695,  
0.4135

 67.2499, 0.4111,  
0.4894


 146.1136, 0.3946,  
0.4565


 49.2878, 0.4172,  
0.5036


 182.0086, 0.3899,  
0.4481

 34.8478, 0.4230,  
0.5195


 223.3477, 0.3857,  
0.4406

 23.5457, 0.4277,  
0.5371

 270.5154, 0.3818,  
0.4339

 14.9969, 0.4319,  
0.5588

323.8961, 0.3783,  
0.4280

 8.8172, 0.4258,  
0.5742


383.8741, 0.3751,


 4.6222, 0.4105,


0.4227


0.5895


450.8339, 0.3722,  
0.4179

 2.0273, 0.3852,  
0.6148


 0.6233, 0.2050,  
0.7950


 89.1187, 0.4052,  
0.4770


 89.1187, 0.4052,  
0.4770


 88.5032, 0.4134,  
0.4896


 89.8863, 0.3945,  
0.4602


 88.0116, 0.4189,  
0.4978

 90.8070, 0.3817,  
0.4400

 87.6283, 0.4218,  
0.5018


 91.8971, 0.3674,  
0.4172

 87.4901, 0.4226,  
0.5027

 93.1672, 0.3522,  
0.3928

 94.6274, 0.3368,  
0.3679

 96.2868, 0.3215,  
0.3432

 97.6691, 0.3110,  
0.3263

 97.9572, 0.3110,  
0.3268

 98.2461, 0.3109,  
0.3272

# Harmonies

## Analogous

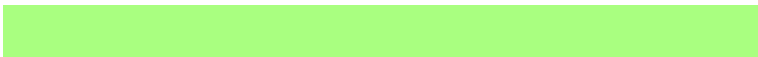
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1187, 0.4645, 0.4268



89.1187, 0.4052, 0.4770



89.1187, 0.3259, 0.4862

# Triad

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



89.1187, 0.4052, 0.4770



89.1187, 0.1675, 0.2558



89.1187, 0.3675, 0.2519

# Complementary

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



89.1187, 0.4052, 0.4770



16.1493, 0.1850, 0.1196

# 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.



89.1187, 0.2796, 0.2152



89.1187, 0.4052, 0.4770



89.1187, 0.1751, 0.2123

# Square

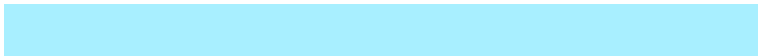
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1187, 0.4052, 0.4770



89.1187, 0.1912, 0.3346



89.1187, 0.2125, 0.2006



89.1187, 0.4472, 0.3045



# Rectangle

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



89.1187, 0.4052, 0.4770



89.1187, 0.2721, 0.4551



89.1187, 0.2125, 0.2006



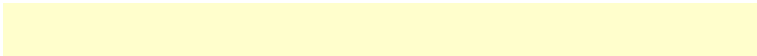
89.1187, 0.3372, 0.2375

# Sweetspot

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



89.1228, 0.4052, 0.4770



96.5501, 0.3431, 0.3782



28.1141, 0.5244, 0.3248



20.5761, 0.3475, 0.3852



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.



89.1228, 0.4052, 0.4770



90.7299, 0.4154, 0.4927



79.3631, 0.3495, 0.5130



20.1334, 0.3269, 0.3520



45.5927, 0.4225, 0.5027



4.2395, 0.4221, 0.5030



# Inverse Universe

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



16.1493, 0.1850, 0.1196



10.9388, 0.1648, 0.0857



21.5158, 0.2375, 0.1416



16.6935, 0.2979, 0.3049



3.7355, 0.1503, 0.0611

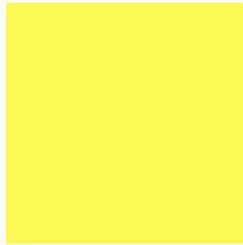


0.3632, 0.1511, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 89.1187, 0.4052, 0.4770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

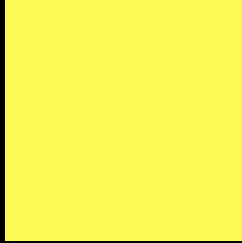
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1187, 0.4052, 0.4770 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 89.1187, 0.4052, 0.4770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1187, 0.4052, 0.4770.



This preview shows how white text looks on a background with the Yxy color 89.1187, 0.4052, 0.4770.

# 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

89.1187, 0.4052, 0.4770

### Protanopia

88.6593, 0.3518, 0.3770

### Deuteranopia

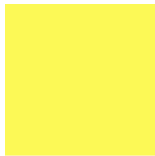
88.9079, 0.3334, 0.3458



## Tritanopia

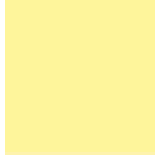
89.1245, 0.3184, 0.3203

# Trichromacy



## Original Color

89.1187, 0.4052, 0.4770



## Protanomaly

88.7422, 0.3745, 0.4183



## Deuteranomaly

88.1891, 0.3641, 0.3991



## Tritanomaly

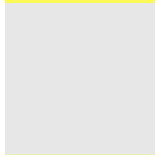
88.2059, 0.3549, 0.3832

# Monochromacy



## Original Color

89.1187, 0.4052, 0.4770



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.7141, 0.3515, 0.3918

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1187, 0.4052, 0.4770 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(252, 249, 86)` looks like.

```
.text, #text, p{  
    color:rgb(252, 249, 86)  
}
```

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(252, 249, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 249, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1187, 0.4052, 0.4770 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(252, 249, 86) }
```

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

```
.border{ border-color:rgb(252, 249, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 249, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 249, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 249, 86);  
box-shadow:4px 4px 4px 4px rgb(252, 249,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1187, 0.4052, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 249, 86) }
```

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

```
.background{ background-color: rgb(252,  
249, 86) }
```

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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