

# Converting Colors

$Yxy(52.9405, 0.3812, 0.3575)$

Have a look what the booklet for  
Yxy(52.9405, 0.3812, 0.3575)  
contains.

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# Color

**Yxy(52.9405, 0.3812, 0.3575)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAB59C
RGB	234, 181, 156
RGB Percent	92%, 71%, 61%
CMY	0.0824, 0.2901, 0.3882
CMYK	0.00, 0.23, 0.33, 0.08
HSL	19°, 65%, 76%
HSV	19°, 33%, 92%
XYZ	56.4501, 52.9405, 38.6947
YIQ	193.9970, 39.6130, 3.4610

# Conversions

## Conversions Part 2

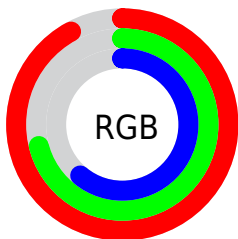
Format	Color
R <sub>Y</sub> B	234, 193, 156
Decimal	15381916
CIE Lab	77.84, 15.80, 20.13
CIE LCh	78, 25.592, 51.862
Yxy	52.9405, 0.3812, 0.3575
Android (android.graphics.Color)	4293571996 (0xFFEAB59C)
YUV	193.9970, -18.7325, 35.0826
Hunter-Lab	72.7602, 11.1566, 19.4011

# Details

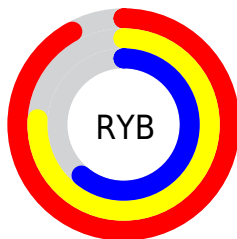
The Yxy color **52.9405, 0.3812, 0.3575** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.5872, 0.2615, 0.2984**, and the grayscale version is **54.0428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5315, 0.3417, 0.3550**, and **25.8054, 0.3997, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **46.1264, 0.4097, 0.3662**, and if you desaturate by 10%, it is **60.6494, 0.3566, 0.3486**.

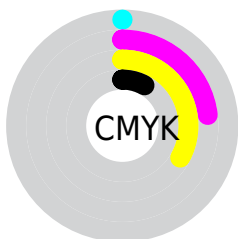
# Distribution



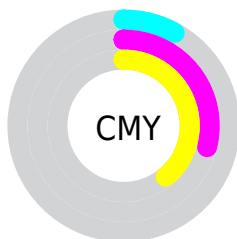
- Red (92%)
- Green (71%)
- Blue (61%)



- Red (92%)
- Yellow (76%)
- Blue (61%)



- Cyan (0%)
- Magenta (23%)
- Yellow (33%)
- Black (8%)




- Cyan (8%)
- Magenta (29%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9405, 0.3812, 0.3575 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 52.9405, 0.3812, 0.3575 by changing the saturation by 10% instead.





 52.9405, 0.3812,  
0.3575

 52.9405, 0.3812,  
0.3575


398.0568, 0.3474,  
0.3445

 37.7553, 0.3894,  
0.3603


 94.5168, 0.3691,  
0.3531

 25.7928, 0.3999,  
0.3638


 121.6767, 0.3645,  
0.3513

 16.6687, 0.4135,  
0.3679


153.5969, 0.3606,  
0.3498

 9.9986, 0.4320,  
0.3730

190.6618, 0.3572,  
0.3485

 5.3980, 0.4582,  
0.3789

233.2559, 0.3543,  
0.3473

 2.4826, 0.4990,  
0.3856

281.7635, 0.3517,

 0.8679, 0.5935,

0.3463

0.4065

336.5690, 0.3494,  
0.3453

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.9405, 0.3812,  
0.3575

52.9405, 0.3812,  
0.3575

46.1264, 0.4097,  
0.3662

60.6494, 0.3566,  
0.3486

40.1661, 0.4420,  
0.3739

69.2772, 0.3357,  
0.3399

35.0265, 0.4772,  
0.3796

78.8564, 0.3180,  
0.3316

30.6690, 0.5136,  
0.3822

89.4154, 0.3030,  
0.3240

■ 27.0518, 0.5482,  
0.3803

■ 96.2283, 0.2999,  
0.3290

■ 24.1278, 0.5776,  
0.3734

■ 22.5296, 0.5935,  
0.3669

# Harmonies

## Analogous

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



52.9405, 0.3716, 0.3294



52.9405, 0.3812, 0.3575



52.9405, 0.3713, 0.3803

# Triad

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



52.9405, 0.3812, 0.3575



52.9405, 0.2796, 0.3571



52.9405, 0.2784, 0.2731

# Complementary

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



52.9405, 0.3812, 0.3575



58.5872, 0.2615, 0.2984

# 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.



52.9405, 0.2563, 0.2770



52.9405, 0.3812, 0.3575



52.9405, 0.2569, 0.3241

# Square

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



52.9405, 0.3812, 0.3575



52.9405, 0.3118, 0.3823



52.9405, 0.2487, 0.2949



52.9405, 0.3106, 0.2825



# Rectangle

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



52.9405, 0.3812, 0.3575



52.9405, 0.3554, 0.3889



52.9405, 0.2487, 0.2949



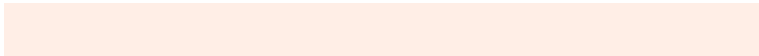
52.9405, 0.2696, 0.2729

# Sweetspot

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



52.9430, 0.3812, 0.3575



87.9088, 0.3295, 0.3371



45.8823, 0.3382, 0.2706



18.4728, 0.3321, 0.3383



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.



52.9430, 0.3812, 0.3575



58.5620, 0.4003, 0.3635



70.9069, 0.3675, 0.3983



15.8430, 0.3285, 0.3366



12.8647, 0.5907, 0.3692



1.1784, 0.5637, 0.3906

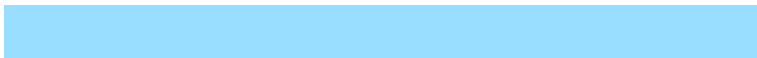


# Inverse Universe

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



58.5872, 0.2615, 0.2984



66.3810, 0.2515, 0.2909



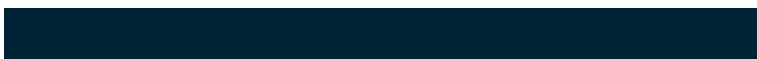
41.8670, 0.2551, 0.2485



16.2597, 0.2981, 0.3213



17.4950, 0.1947, 0.2208



1.5464, 0.1993, 0.2376



# Previews

## White Background



This preview shows how the Yxy color 52.9405, 0.3812, 0.3575 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 52.9405, 0.3812, 0.3575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

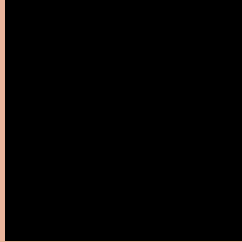
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.9405, 0.3812, 0.3575**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9405, 0.3812, 0.3575.



This preview shows how white text looks on a background with the Yxy color 52.9405, 0.3812, 0.3575.

# 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

52.9405, 0.3812, 0.3575

### Protanopia

52.9690, 0.3461, 0.3674

### Deuteranopia

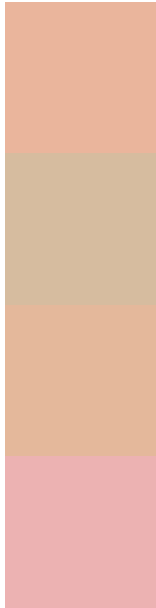
52.9118, 0.3717, 0.3642



## Tritanopia

52.7729, 0.3551, 0.3136

# Trichromacy



**Original Color**

52.9405, 0.3812, 0.3575

**Protanomaly**

52.7658, 0.3585, 0.3639

**Deuteranomaly**

53.1415, 0.3756, 0.3626

**Tritanomaly**

52.8880, 0.3644, 0.3292

# Monochromacy



**Original Color**

52.9405, 0.3812, 0.3575

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

53.2458, 0.3366, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9405, 0.3812, 0.3575 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(234, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(234, 181, 156)  
}
```

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(234, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 181, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9405, 0.3812, 0.3575 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(234, 181, 156) }
```

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

```
.border{ border-color:rgb(234, 181, 156) }
```

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

Here you see how a box with a 4 pixel rgb(234, 181, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(234, 181,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9405, 0.3812, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 181, 156) }
```

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

```
.background{ background-color: rgb(234,  
181, 156) }
```

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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