

# Converting Colors

$Y_{xy}(48.0836, 0.3932, 0.3292)$

Have a look what the booklet for  
Yxy(48.0836, 0.3932, 0.3292)  
contains.

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# Color

**Yxy(48.0421, 0.3937, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6A2A2
RGB	246, 162, 162
RGB Percent	96%, 64%, 64%
CMY	0.0352, 0.3647, 0.3646
CMYK	0.00, 0.34, 0.34, 0.04
HSL	360°, 82%, 80%
HSV	360°, 34%, 96%
XYZ	57.4550, 48.0421, 40.4388
YIQ	187.1160, 50.0640, 17.8080

# Conversions

## Conversions Part 2

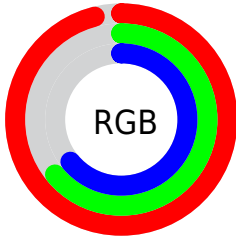
Format	Color
R <sub>Y</sub> B	246, 162, 162
Decimal	16163490
CIE Lab	74.85, 31.16, 12.88
CIE LCh	75, 33.721, 22.453
Yxy	48.0421, 0.3937, 0.3292
Android (android.graphics.Color)	4294353570 (0xFFF6A2A2)
YUV	187.1160, -12.3822, 51.6413
Hunter-Lab	69.3124, 26.6669, 13.9272

# Details

The Yxy color  $48.0421, 0.3937, 0.3292$  is a light color, and the websafe version is hex  $\text{FF9999}$ . A complement of this color would be  $80.2576, 0.2643, 0.3289$ , and the grayscale version is  $49.8151, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.4126, 0.3406, 0.3301$ , and  $22.7544, 0.4182, 0.3279$  is the 20% darker color. If you saturate the color by 10%, you get  $39.4179, 0.4308, 0.3293$ , and if you desaturate by 10%, it is  $58.5373, 0.3634, 0.3291$ .

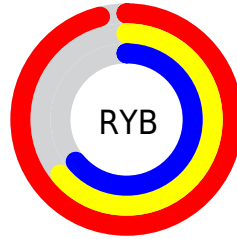
# Distribution



Red (96%)

Green (64%)

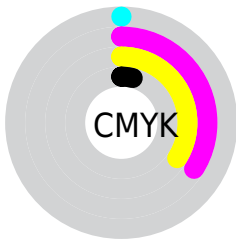
Blue (64%)



Red (96%)

Yellow (64%)

Blue (64%)

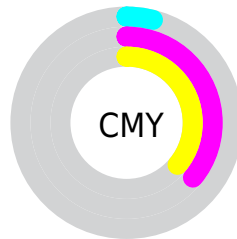


Cyan (0%)

Magenta (34%)

Yellow (34%)

Black (4%)



Cyan (4%)

Magenta (36%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0421, 0.3937, 0.3292 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 48.0421, 0.3937, 0.3292 by changing the saturation by 10% instead.




 48.0421, 0.3937,  
0.3292

 48.0421, 0.3937,  
0.3292


378.9590, 0.3530,  
0.3302

 33.8602, 0.4039,  
0.3286


 87.2671, 0.3789,  
0.3298

 22.7862, 0.4169,  
0.3277


 113.0790, 0.3733,  
0.3300

 14.4358, 0.4341,  
0.3261


143.5364, 0.3686,  
0.3301

 8.4244, 0.4580,  
0.3234

179.0236, 0.3646,  
0.3301

 4.3677, 0.4929,  
0.3181

219.9251, 0.3611,  
0.3302

 1.8813, 0.5482,  
0.3067

266.6252, 0.3581,

 0.5371, 0.7152,

0.3302

0.2848

319.5084, 0.3554,  
0.3302

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.0421, 0.3937,  
0.3292

48.0421, 0.3937,  
0.3292

39.4179, 0.4308,  
0.3293

58.5373, 0.3634,  
0.3291

32.5485, 0.4743,  
0.3294

70.9970, 0.3390,  
0.3291

27.3155, 0.5223,  
0.3296

85.5168, 0.3196,  
0.3290

23.5830, 0.5696,  
0.3297

98.3365, 0.3072,  
0.3290

■ 21.1933, 0.6086,  
0.3298

■ 19.9539, 0.6326,  
0.3299

■ 19.5967, 0.6400,  
0.3300

# Harmonies

## Analogous

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



48.0421, 0.3575, 0.2942



48.0421, 0.3937, 0.3292



48.0421, 0.4060, 0.3664

# Triad

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



48.0421, 0.3937, 0.3292



48.0421, 0.3096, 0.4028



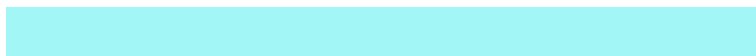
48.0421, 0.2377, 0.2588

# Complementary

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



48.0421, 0.3937, 0.3292



80.2576, 0.2643, 0.3289

# 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.



48.0421, 0.2274, 0.2813



48.0421, 0.3937, 0.3292



48.0421, 0.2668, 0.3668

# Square

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



48.0421, 0.3937, 0.3292



48.0421, 0.3554, 0.4133



48.0421, 0.2374, 0.3204



48.0421, 0.2669, 0.2548



# Rectangle

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



48.0421, 0.3937, 0.3292



48.0421, 0.3989, 0.3887



48.0421, 0.2374, 0.3204



48.0421, 0.2321, 0.2642

# Sweetspot

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



48.0444, 0.3937, 0.3292



83.2614, 0.3304, 0.3290



51.8376, 0.3155, 0.2438



17.3575, 0.3333, 0.3291



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.



48.0444, 0.3937, 0.3292



45.4344, 0.4186, 0.3293



64.7311, 0.3787, 0.3726



16.4826, 0.3294, 0.3290



10.4581, 0.6400, 0.3299



0.9192, 0.6399, 0.3299



# Inverse Universe

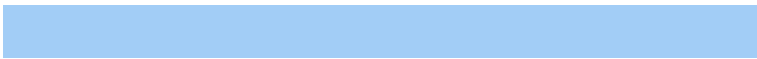
The Inverse Universe completely reimagines the original color for something new.



48.0444, 0.3937, 0.3292



45.4344, 0.4186, 0.3293



58.1935, 0.2579, 0.2808



16.4826, 0.3294, 0.3290



10.4581, 0.6400, 0.3299



0.9192, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 48.0421, 0.3937, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

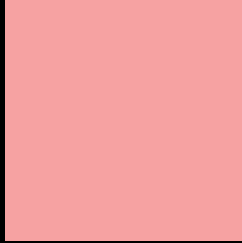
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0421, 0.3937, 0.3292 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 48.0421, 0.3937, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0421, 0.3937, 0.3292.



This preview shows how white text looks on a background with the Yxy color 48.0421, 0.3937, 0.3292.

# 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

48.0421, 0.3937, 0.3292

### Protanopia

48.4133, 0.3267, 0.3418

### Deuteranopia

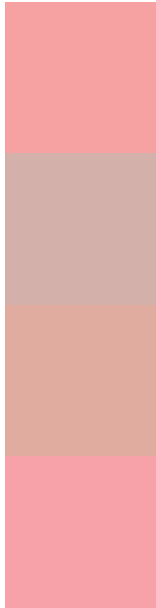
48.3410, 0.3595, 0.3523



## Tritanopia

47.8943, 0.3854, 0.3162

# Trichromacy



**Original Color**

48.0421, 0.3937, 0.3292

**Protanomaly**

47.8018, 0.3494, 0.3364

**Deuteranomaly**

47.8904, 0.3716, 0.3433

**Tritanomaly**

48.0910, 0.3890, 0.3216

# Monochromacy



**Original Color**

48.0421, 0.3937, 0.3292

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

48.4650, 0.3393, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0421, 0.3937, 0.3292 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(246, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(246, 162, 162)  
}
```

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(246, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 162, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0421, 0.3937, 0.3292 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(246, 162, 162) }
```

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

```
.border{ border-color:rgb(246, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(246, 162,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0421, 0.3937, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 162, 162) }
```

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

```
.background{ background-color: rgb(246,  
162, 162) }
```

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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