

Converting Colors

$Y_{xy}(47.3670, 0.4010, 0.3226)$

Have a look what the booklet for
Yxy(47.3670, 0.4010, 0.3226)
contains.

Yxy(47.4537, 0.4002, 0.3229)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4537, 0.4002, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	FC9DA3
RGB	252, 157, 163
RGB Percent	99%, 62%, 64%
CMY	0.0117, 0.3843, 0.3609
CMYK	0.00, 0.38, 0.35, 0.01
HSL	356°, 94%, 80%
HSV	356°, 38%, 99%
XYZ	58.8138, 47.4537, 40.6935
YIQ	186.0890, 54.6940, 22.0060

Conversions

Conversions Part 2

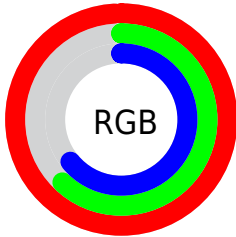
Format	Color
R _Y B	252, 157, 163
Decimal	16555427
CIE Lab	74.48, 36.08, 11.94
CIE LCh	74, 38.000, 18.306
Yxy	47.4537, 0.4002, 0.3229
Android (android.graphics.Color)	4294745507 (0xFFFC9DA3)
YUV	186.0890, -11.3829, 57.8039
Hunter-Lab	68.8866, 31.8474, 13.1962

Details

The Yxy color **47.4537, 0.4002, 0.3229** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.4546, 0.2628, 0.3356**, and the grayscale version is **49.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9105, 0.3406, 0.3240**, and **22.3858, 0.4260, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **39.0209, 0.4372, 0.3215**, and if you desaturate by 10%, it is **57.8077, 0.3697, 0.3245**.

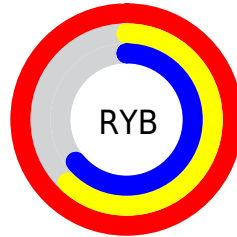
Distribution



Red (99%)

Green (62%)

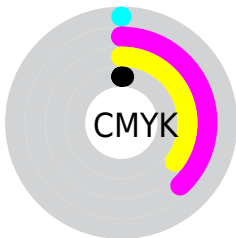
Blue (64%)



Red (99%)

Yellow (62%)

Blue (64%)

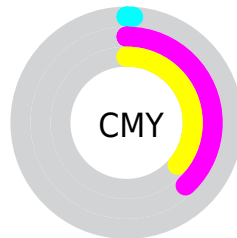


Cyan (0%)

Magenta (38%)

Yellow (35%)

Black (1%)



Cyan (1%)

Magenta (38%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4537, 0.4002, 0.3229 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 47.4537, 0.4002, 0.3229 by changing the saturation by 10% instead.


 47.4537, 0.4002,
0.3229


 47.4537, 0.4002,
0.3229


376.6226, 0.3562,
0.3271

 33.3945, 0.4112,
0.3215


 86.3905, 0.3842,
0.3247

 22.4288, 0.4253,
0.3196


 112.0368, 0.3782,
0.3253

 14.1723, 0.4440,
0.3166


142.3142, 0.3731,
0.3257

 8.2406, 0.4698,
0.3120

177.6072, 0.3687,
0.3261

 4.2493, 0.5076,
0.3039

218.3002, 0.3650,
0.3264

 1.8140, 0.5672,
0.2882

264.7775, 0.3617,

 0.4959, 0.7467,

0.3267

0.2533

317.4235, 0.3588,
0.3269

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.4537, 0.4002,
0.3229

47.4537, 0.4002,
0.3229

39.0209, 0.4372,
0.3215

57.8077, 0.3697,
0.3245

32.3848, 0.4801,
0.3206

70.1838, 0.3450,
0.3262

27.4169, 0.5267,
0.3205

84.6840, 0.3252,
0.3278

23.9688, 0.5720,
0.3216

99.4380, 0.3109,
0.3290

■ 21.8662, 0.6090,
0.3239

■ 20.8788, 0.6319,
0.3270

■ 20.7348, 0.6353,
0.3274

Harmonies

Analogous

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



47.4537, 0.3562, 0.2851



47.4537, 0.4002, 0.3229



47.4537, 0.4182, 0.3645

Triad

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



47.4537, 0.4002, 0.3229



47.4537, 0.3159, 0.4169



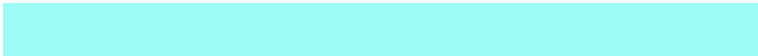
47.4537, 0.2259, 0.2523

Complementary

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



47.4537, 0.4002, 0.3229



83.4546, 0.2628, 0.3356

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.



47.4537, 0.2175, 0.2797



47.4537, 0.4002, 0.3229



47.4537, 0.2666, 0.3789

Square

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



47.4537, 0.4002, 0.3229



47.4537, 0.3668, 0.4236



47.4537, 0.2315, 0.3259



47.4537, 0.2555, 0.2455

Rectangle

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



47.4537, 0.4002, 0.3229



47.4537, 0.4127, 0.3905



47.4537, 0.2315, 0.3259



47.4537, 0.2206, 0.2591

Sweetspot

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



47.4560, 0.4002, 0.3229



81.8118, 0.3313, 0.3273



50.6790, 0.3118, 0.2340



17.0721, 0.3339, 0.3271



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.



47.4560, 0.4002, 0.3229



42.2101, 0.4266, 0.3218



63.6002, 0.3893, 0.3725



17.2429, 0.3284, 0.3275



10.8067, 0.6336, 0.3264



1.0069, 0.6184, 0.3180

Inverse Universe

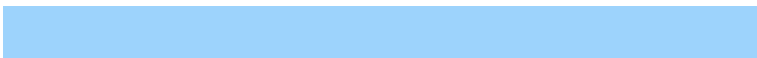
The Inverse Universe completely reimagines the original color for something new.



47.4560, 0.4002, 0.3229



42.2101, 0.4266, 0.3218



60.7077, 0.2529, 0.2806



17.2429, 0.3284, 0.3275



10.8067, 0.6336, 0.3264



1.0069, 0.6184, 0.3180

Previews

White Background



This preview shows how the Yxy color 47.4537, 0.4002, 0.3229 looks on a white background.

Color Contrast Check

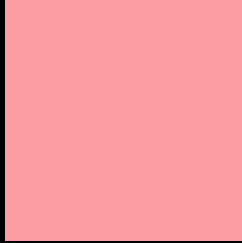
Large Text (above 18pt) WCAG AA × Fail

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 47.4537, 0.4002, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

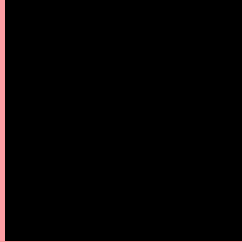
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4537, 0.4002, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 47.4537, 0.4002, 0.3229.



This preview shows how white text looks on a background with the Yxy color 47.4537, 0.4002, 0.3229.

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

47.4537, 0.4002, 0.3229

Protanopia

47.8601, 0.3226, 0.3367

Deuteranopia

47.6491, 0.3580, 0.3513



Tritanopia

47.2995, 0.3954, 0.3165

Trichromacy



Original Color

47.4537, 0.4002, 0.3229

Protanomaly

47.2477, 0.3490, 0.3315

Deuteranomaly

47.2951, 0.3732, 0.3409

Tritanomaly

47.2256, 0.3975, 0.3186

Monochromacy



Original Color

47.4537, 0.4002, 0.3229

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.5759, 0.3416, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4537, 0.4002, 0.3229 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, 157, 163)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 163)  
}
```

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, 157, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 163) }
```

Border

The CSS property to change the border of an element to Yxy 47.4537, 0.4002, 0.3229 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, 157, 163) }
```

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

```
.border{ border-color:rgb(252, 157, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 157, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 163);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4537, 0.4002, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 157, 163) }
```

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

```
.background{ background-color: rgb(252,  
157, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor