

Converting Colors

Yxy(52.8138, 0.4729, 0.2983)

Have a look what the booklet for
Yxy(52.8138, 0.4729, 0.2983)
contains.

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Color

Yxy(37.8234, 0.4162, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AA3
RGB	255, 122, 163
RGB Percent	100%, 48%, 64%
CMY	0.0000, 0.5216, 0.3608
CMYK	0.00, 0.52, 0.36, 0.00
HSL	342°, 100%, 74%
HSV	342°, 52%, 100%
XYZ	54.8123, 37.8234, 39.0614
YIQ	166.4410, 66.1070, 40.9470

Conversions

Conversions Part 2

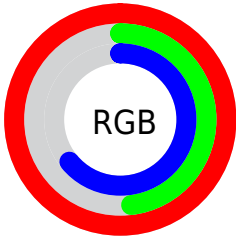
Format	Color
R _Y B	255, 122, 163
Decimal	16743075
CIE Lab	67.89, 54.59, 2.53
CIE LCh	68, 54.645, 2.652
Yxy	37.8234, 0.4162, 0.2872
Android (android.graphics.Color)	4294933155 (0xFFFF7AA3)
YUV	166.4410, -1.6964, 77.6662
Hunter-Lab	61.5007, 51.4613, 5.3933

Details

The Yxy color **37.8234, 0.4162, 0.2872** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.5129, 0.2630, 0.3786**, and the grayscale version is **38.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1627, 0.3459, 0.2881**, and **16.7863, 0.4473, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **31.7731, 0.4487, 0.2817**, and if you desaturate by 10%, it is **45.6053, 0.3879, 0.2946**.

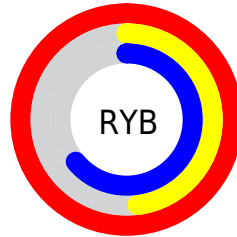
Distribution



Red (100%)

Green (48%)

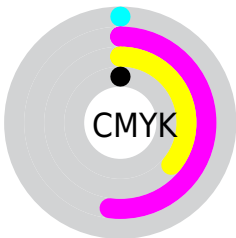
Blue (64%)



Red (100%)

Yellow (48%)

Blue (64%)

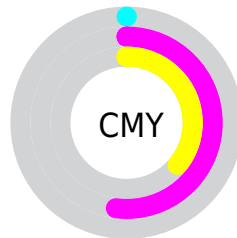


Cyan (0%)

Magenta (52%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8234, 0.4162, 0.2872 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 37.8234, 0.4162, 0.2872 by changing the saturation by 10% instead.


 37.8234, 0.4162,
0.2872


 37.8234, 0.4162,
0.2872

336.8618, 0.3628,
0.3091

 25.8457, 0.4300,
0.2815


 71.8374, 0.3964,
0.2954

 16.7082, 0.4479,
0.2739

 94.6424, 0.3891,
0.2984

 10.0267, 0.4720,
0.2637


 121.8253, 0.3830,
0.3009

 5.4166, 0.5062,
0.2490

153.7705, 0.3777,
0.3030

 2.4937, 0.5577,
0.2264

190.8623, 0.3732,
0.3049

 0.8735, 0.6435,
0.1890

233.4852, 0.3693,


 0.0000, 1.0000,


0.3065


0.0000


282.0236, 0.3658,
0.3079


 0.0000, 0.0000,
0.0000

 37.8234, 0.4162,
0.2872


 37.8234, 0.4162,
0.2872


 31.7731, 0.4487,
0.2817

 45.6053, 0.3879,
0.2946


 27.3179, 0.4844,
0.2793


 55.2380, 0.3641,
0.3028


 24.3029, 0.5209,
0.2812

 66.8317, 0.3444,
0.3113

 22.5408, 0.5550,
0.2880

 80.4876, 0.3283,
0.3196

 21.8188, 0.5782,
0.2959

 96.2997, 0.3152,
0.3274

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.



37.8234, 0.3345, 0.2412



37.8234, 0.4162, 0.2872



37.8234, 0.4677, 0.3435

Triad

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



37.8234, 0.4162, 0.2872



37.8234, 0.3538, 0.4804



37.8234, 0.1757, 0.2294

Complementary

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



37.8234, 0.4162, 0.2872



80.5129, 0.2630, 0.3786

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.



37.8234, 0.1789, 0.2832



37.8234, 0.4162, 0.2872



37.8234, 0.2764, 0.4481

Square

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



37.8234, 0.4162, 0.2872



37.8234, 0.4243, 0.4559



37.8234, 0.2132, 0.3665



37.8234, 0.2015, 0.2076

Rectangle

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



37.8234, 0.4162, 0.2872



37.8234, 0.4739, 0.3832



37.8234, 0.2132, 0.3665



37.8234, 0.1735, 0.2435

Sweetspot

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



37.8239, 0.4162, 0.2872



74.9882, 0.3341, 0.3164



35.2684, 0.2813, 0.1893



15.4478, 0.3374, 0.3147



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.



37.8239, 0.4162, 0.2872



31.3375, 0.4516, 0.2814



43.3419, 0.4504, 0.3544



18.0793, 0.3246, 0.3217



11.4241, 0.5739, 0.2935



1.1309, 0.5419, 0.2759

Inverse Universe

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



37.8239, 0.4162, 0.2872



31.3375, 0.4516, 0.2814



68.2954, 0.2395, 0.2999



18.0793, 0.3246, 0.3217



11.4241, 0.5739, 0.2935



1.1309, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 37.8234, 0.4162, 0.2872 looks on a white background.

Color Contrast Check

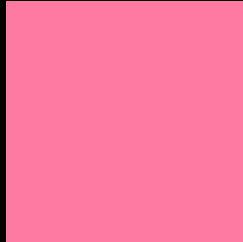
Large Text (above 18pt) WCAG AA × Fail

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 37.8234, 0.4162, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

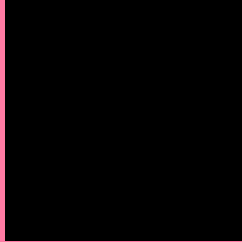
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8234, 0.4162, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 37.8234, 0.4162, 0.2872.



This preview shows how white text looks on a background with the Yxy color 37.8234, 0.4162, 0.2872.

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

37.8234, 0.4162, 0.2872

Protanopia

38.2225, 0.2910, 0.2971

Deuteranopia

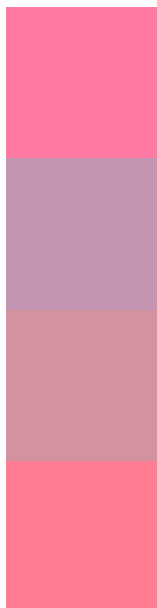
37.8902, 0.3400, 0.3332



Tritanopia

37.8390, 0.4445, 0.3201

Trichromacy



Original Color

37.8234, 0.4162, 0.2872

Protanomaly

36.4853, 0.3315, 0.2904

Deuteranomaly

36.7626, 0.3669, 0.3129

Tritanomaly

37.8134, 0.4345, 0.3077

Monochromacy



Original Color

37.8234, 0.4162, 0.2872

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.5351, 0.3473, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8234, 0.4162, 0.2872 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, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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(255, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 163) }
```

Border

The CSS property to change the border of an element to Yxy 37.8234, 0.4162, 0.2872 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, 122, 163) }
```

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

```
.border{ border-color:rgb(255, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8234, 0.4162, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 163) }
```

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

```
.background{ background-color: rgb(255,  
122, 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](#).

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