

Converting Colors

$Y_{xy}(47.1028, 0.4468, 0.2928)$

Have a look what the booklet for
Yxy(47.1028, 0.4468, 0.2928)
contains.

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Color

Yxy(38.7173, 0.4103, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DA7
RGB	255, 125, 167
RGB Percent	100%, 49%, 65%
CMY	0.0001, 0.5097, 0.3450
CMYK	0.00, 0.51, 0.34, 0.00
HSL	341°, 100%, 75%
HSV	341°, 51%, 100%
XYZ	55.5444, 38.7173, 41.1134
YIQ	168.6580, 63.9980, 40.6220

Conversions

Conversions Part 2

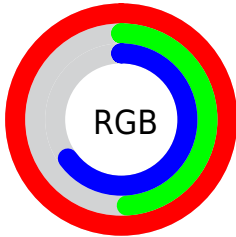
Format	Color
R _Y B	255, 125, 167
Decimal	16743847
CIE Lab	68.55, 53.60, 1.21
CIE LCh	69, 53.618, 1.296
Yxy	38.7173, 0.4103, 0.2860
Android (android.graphics.Color)	4294933927 (0xFFFF7DA7)
YUV	168.6580, -0.8174, 75.7219
Hunter-Lab	62.2232, 50.4499, 4.3809

Details

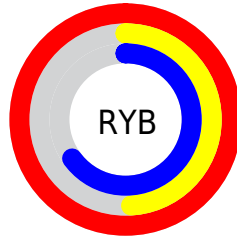
The Yxy color **38.7173, 0.4103, 0.2860** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.6717, 0.2646, 0.3797**, and the grayscale version is **39.4823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5817, 0.3421, 0.2873**, and **17.2202, 0.4405, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **32.4735, 0.4415, 0.2799**, and if you desaturate by 10%, it is **46.7070, 0.3832, 0.2939**.

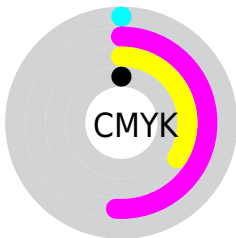
Distribution



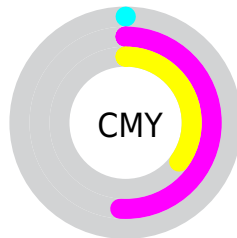
- Red (100%)
- Green (49%)
- Blue (65%)



- Red (100%)
- Yellow (49%)
- Blue (65%)



- Cyan (0%)
- Magenta (51%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7173, 0.4103, 0.2860 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 38.7173, 0.4103, 0.2860 by changing the saturation by 10% instead.


 38.7173, 0.4103,
0.2860


 38.7173, 0.4103,
0.2860


340.6871, 0.3602,
0.3082

 26.5399, 0.4232,
0.2803


 73.2063, 0.3918,
0.2942

 17.2280, 0.4398,
0.2728


 96.2866, 0.3849,
0.2973

 10.3972, 0.4623,
0.2627


 123.7700, 0.3792,
0.2998

 5.6631, 0.4940,
0.2483

156.0408, 0.3743,
0.3020

 2.6413, 0.5416,
0.2265

193.4836, 0.3700,
0.3039

 0.9475, 0.6194,
0.1905

236.4826, 0.3663,

 0.0000, 1.0000,

0.3055

0.0000

285.4223, 0.3631,
0.3070

■ 0.0000, 0.0000,
0.0000

■ 38.7173, 0.4103,
0.2860

■ 38.7173, 0.4103,
0.2860

■ 32.4735, 0.4415,
0.2799

■ 46.7070, 0.3832,
0.2939

■ 27.8367, 0.4761,
0.2768

■ 56.5555, 0.3605,
0.3026

■ 24.6568, 0.5119,
0.2779

■ 68.3732, 0.3417,
0.3115

■ 22.7517, 0.5459,
0.2839

■ 82.2601, 0.3263,
0.3201

■ 21.8715, 0.5728,
0.2929

■ 98.3094, 0.3138,
0.3282

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



38.7173, 0.3303, 0.2414



38.7173, 0.4103, 0.2860



38.7173, 0.4624, 0.3410

Triad

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



38.7173, 0.4103, 0.2860



38.7173, 0.3566, 0.4762



38.7173, 0.1782, 0.2335

Complementary

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



38.7173, 0.4103, 0.2860



80.6717, 0.2646, 0.3797

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.



38.7173, 0.1828, 0.2878



38.7173, 0.4103, 0.2860



38.7173, 0.2809, 0.4473

Square

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



38.7173, 0.4103, 0.2860



38.7173, 0.4246, 0.4512



38.7173, 0.2179, 0.3696



38.7173, 0.2023, 0.2107

Rectangle

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



38.7173, 0.4103, 0.2860



38.7173, 0.4702, 0.3799



38.7173, 0.2179, 0.3696



38.7173, 0.1764, 0.2480

Sweetspot

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



38.7193, 0.4103, 0.2860



76.4203, 0.3321, 0.3167



35.8377, 0.2804, 0.1916



15.7313, 0.3354, 0.3149



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.



38.7193, 0.4103, 0.2860



32.4621, 0.4416, 0.2799



43.5055, 0.4472, 0.3517



18.0838, 0.3243, 0.3213



11.4545, 0.5685, 0.2905



1.1343, 0.5366, 0.2729

Inverse Universe

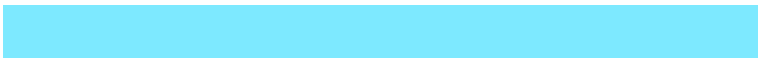
The Inverse Universe completely reimagines the original color for something new.



38.7193, 0.4103, 0.2860



32.4621, 0.4416, 0.2799



70.0393, 0.2413, 0.3033



18.0838, 0.3243, 0.3213



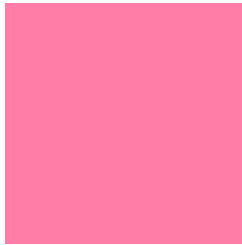
11.4545, 0.5685, 0.2905



1.1343, 0.5366, 0.2729

Previews

White Background



This preview shows how the Yxy color 38.7173, 0.4103, 0.2860 looks on a white background.

Color Contrast Check

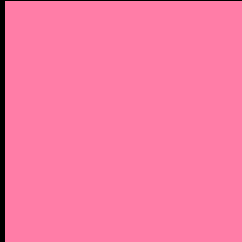
Large Text (above 18pt) WCAG AA × Fail

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 38.7173, 0.4103, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

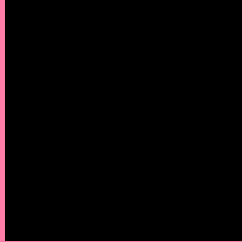
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7173, 0.4103, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 38.7173, 0.4103, 0.2860.



This preview shows how white text looks on a background with the Yxy color 38.7173, 0.4103, 0.2860.

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

38.7173, 0.4103, 0.2860

Protanopia

38.8647, 0.2888, 0.2934

Deuteranopia

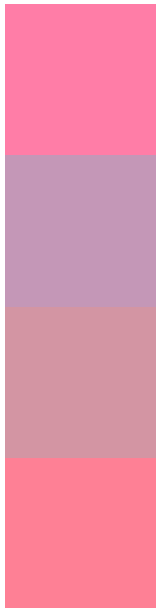
38.8530, 0.3368, 0.3304



Tritanopia

38.7120, 0.4394, 0.3200

Trichromacy



Original Color

38.7173, 0.4103, 0.2860

Protanomaly

37.2879, 0.3274, 0.2881

Deuteranomaly

37.9881, 0.3629, 0.3117

Tritanomaly

38.6791, 0.4296, 0.3076

Monochromacy



Original Color

38.7173, 0.4103, 0.2860

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

37.8890, 0.3457, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7173, 0.4103, 0.2860 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, 125, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 167)  
}
```

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, 125, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 167) }
```

Border

The CSS property to change the border of an element to Yxy 38.7173, 0.4103, 0.2860 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, 125, 167) }
```

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

```
.border{ border-color:rgb(255, 125, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
167) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.7173, 0.4103, 0.2860$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 167) }
```

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

```
.background{ background-color: rgb(255,  
125, 167) }
```

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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